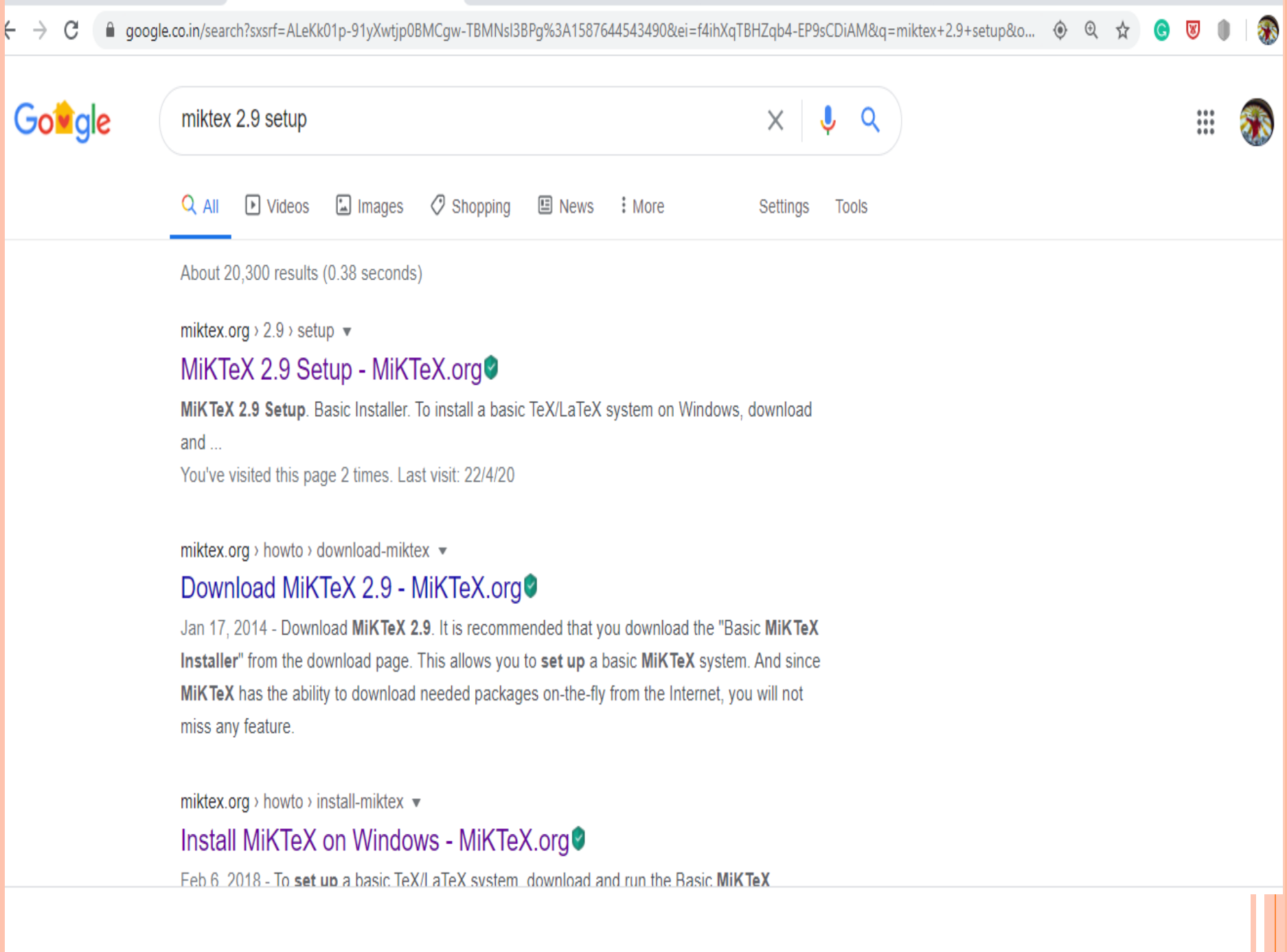
Online National Workshop on the Basics of Documentation using LaTeX

INSTALLATION

https://miktex.org/2.9/setup

Or

Type **MiKTeX 2.9 Setup** in Google


google.co.in/search?sxsrf=ALeKk01p-91yXwtjp0BMCgw-TBMNsI3BPg%3A1587644543490&ei=f4ihXqTBHZqb4-EP9sCDiAM&q=miktex+2.9+setup&o...
Google
miktex 2.9 setup
All
Videos
Images
Shopping
News
More
Settings
Tools
About 20,300 results (0.38 seconds)
miktex.org › 2.9 › setup ▾
MiKTeX 2.9 Setup - MiKTeX.org
MiKTeX 2.9 Setup. Basic Installer. To install a basic TeX/LaTeX system on Windows, download and ...
You've visited this page 2 times. Last visit: 22/4/20
miktex.org › howto › download-miktex ▾
Download MiKTeX 2.9 - MiKTeX.org
Jan 17, 2014 - Download MiKTeX 2.9. It is recommended that you download the "Basic MiKTeX Installer" from the download page. This allows you to set up a basic MiKTeX system. And since MiKTeX has the ability to download needed packages on-the-fly from the Internet, you will not miss any feature.
miktex.org › howto › install-miktex ▾
Install MiKTeX on Windows - MiKTeX.org
Feb 6, 2018 - To set up a basic TeX/LaTeX system, download and run the Basic MiKTeX

miktex.org/2.9/setup

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MiKTeX 2.9 Setup

Basic Installer

Basic Installer

Net Installer

This installer allows you download all packages and install a complete TeX/LaTeX system on Windows.

Date: 1/4/2019

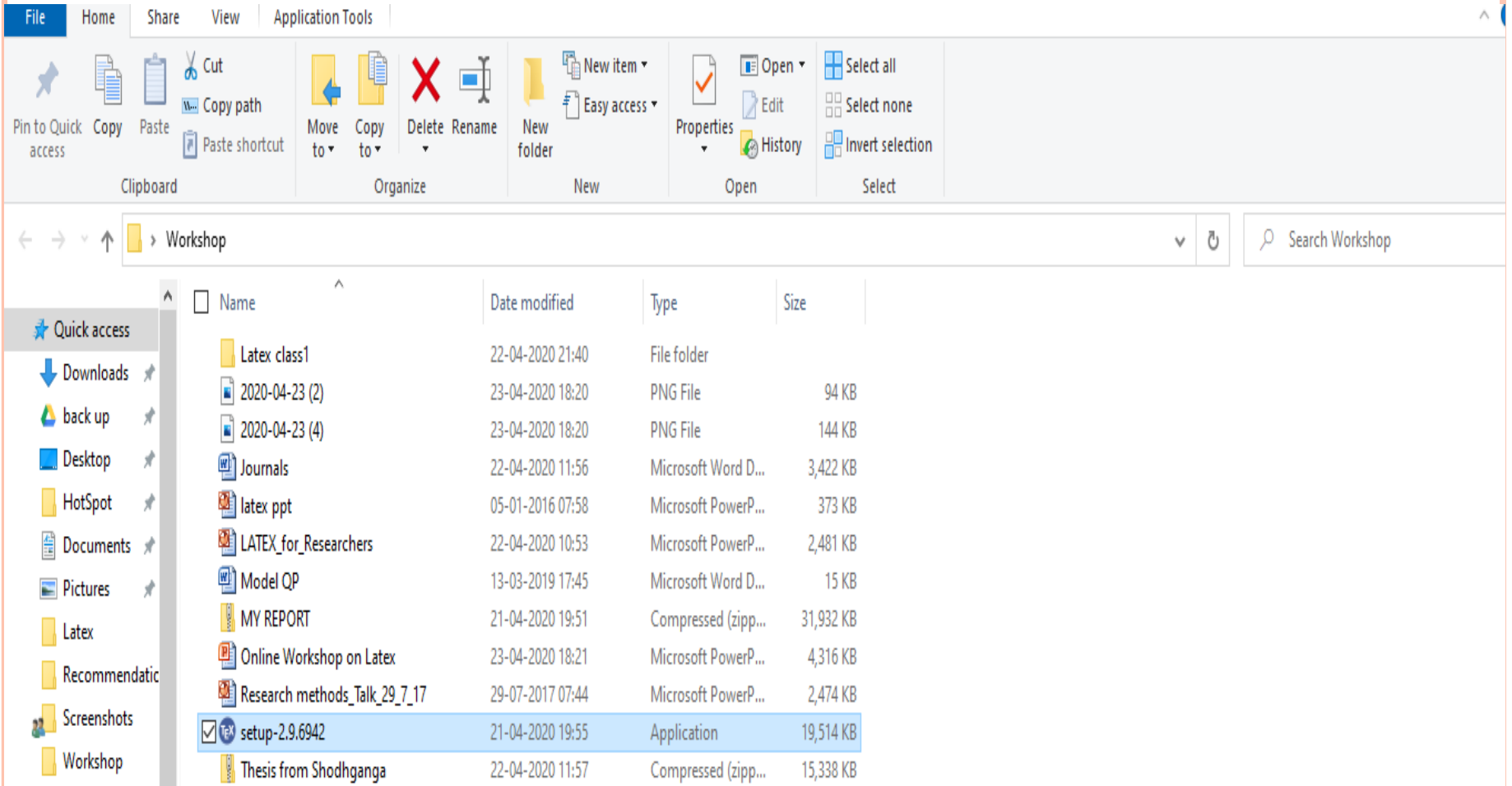
File name: setup-2.9.6942-x64.exe

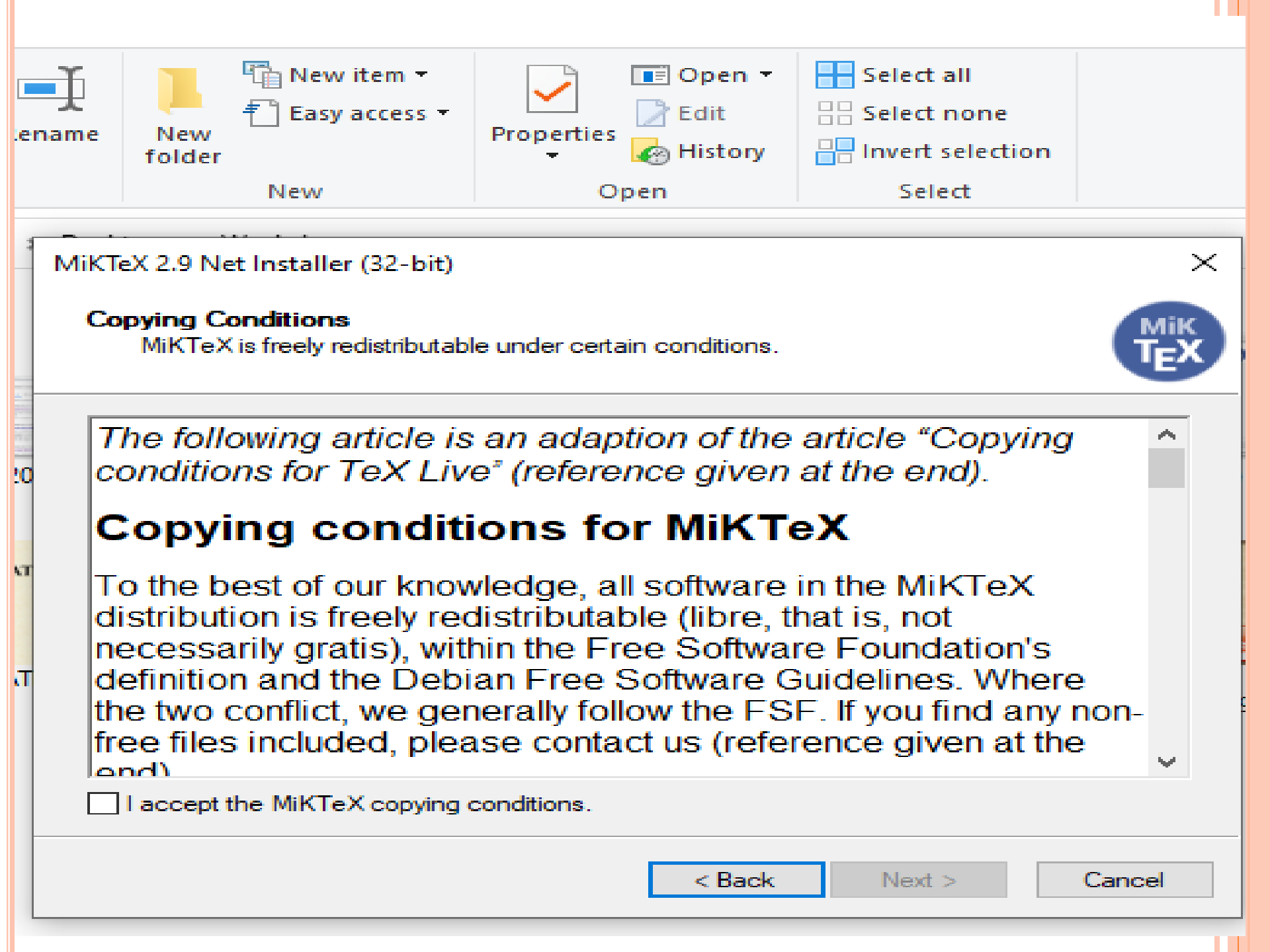
Size: 24.77 MB

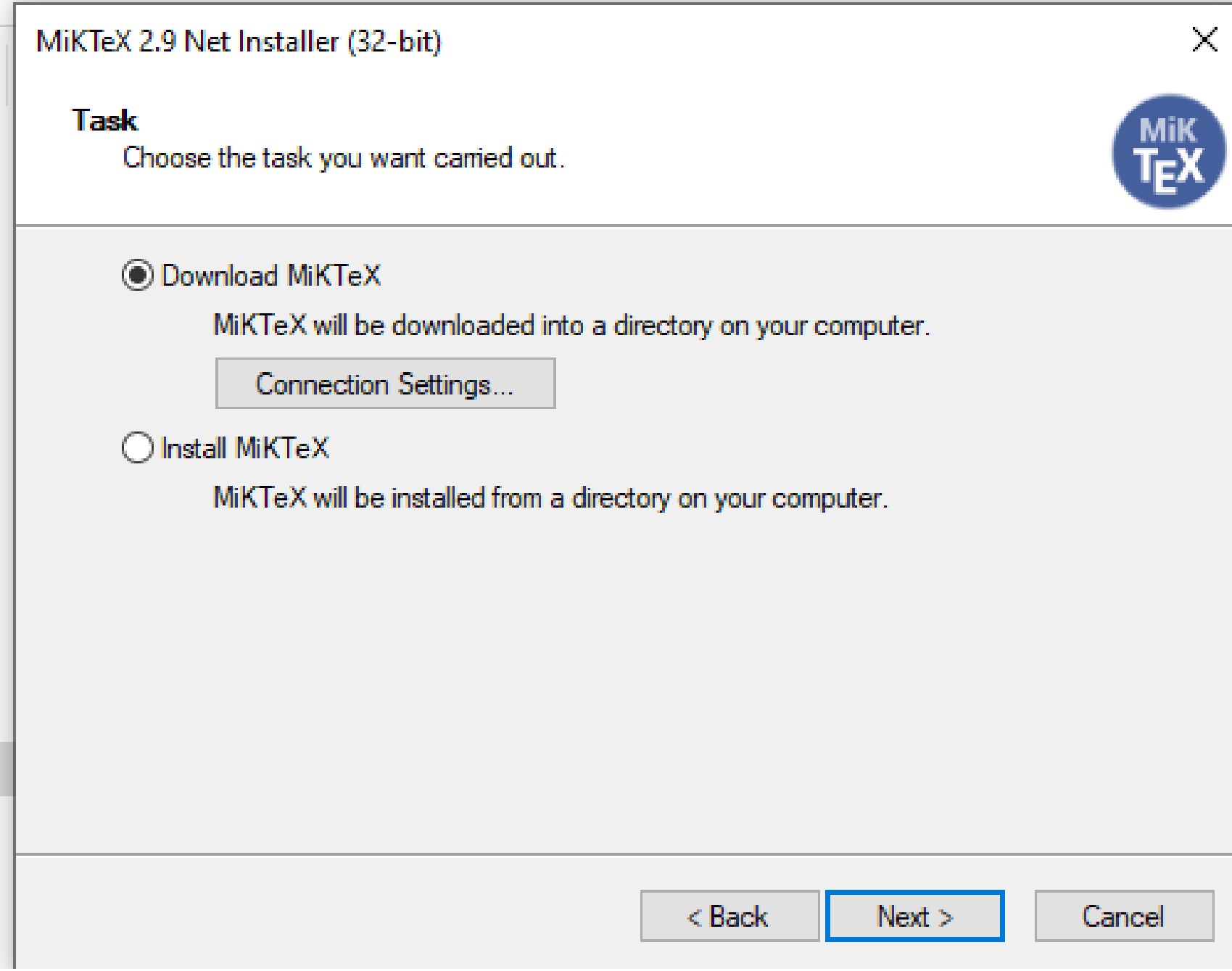
Download

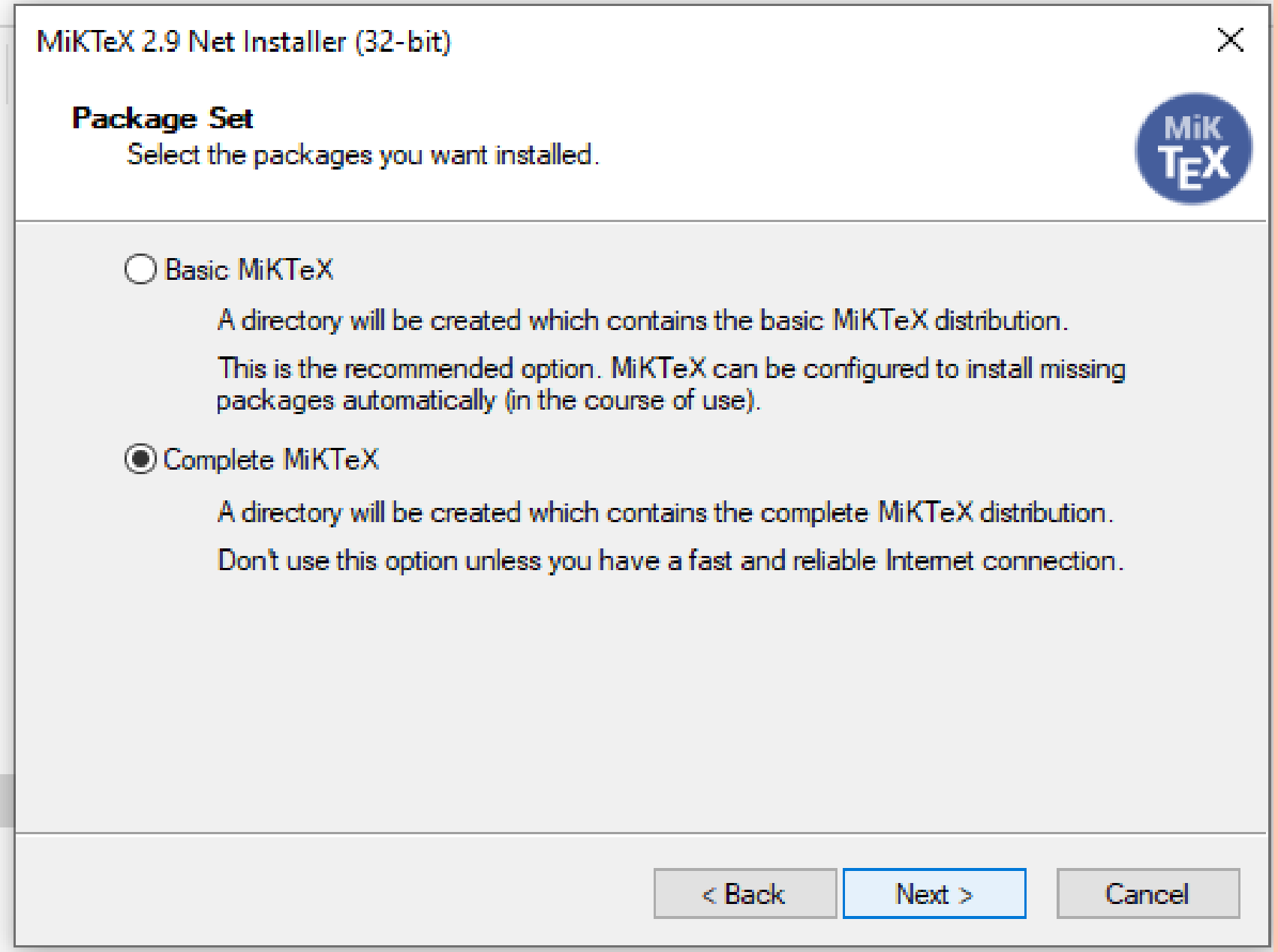
Net Installer

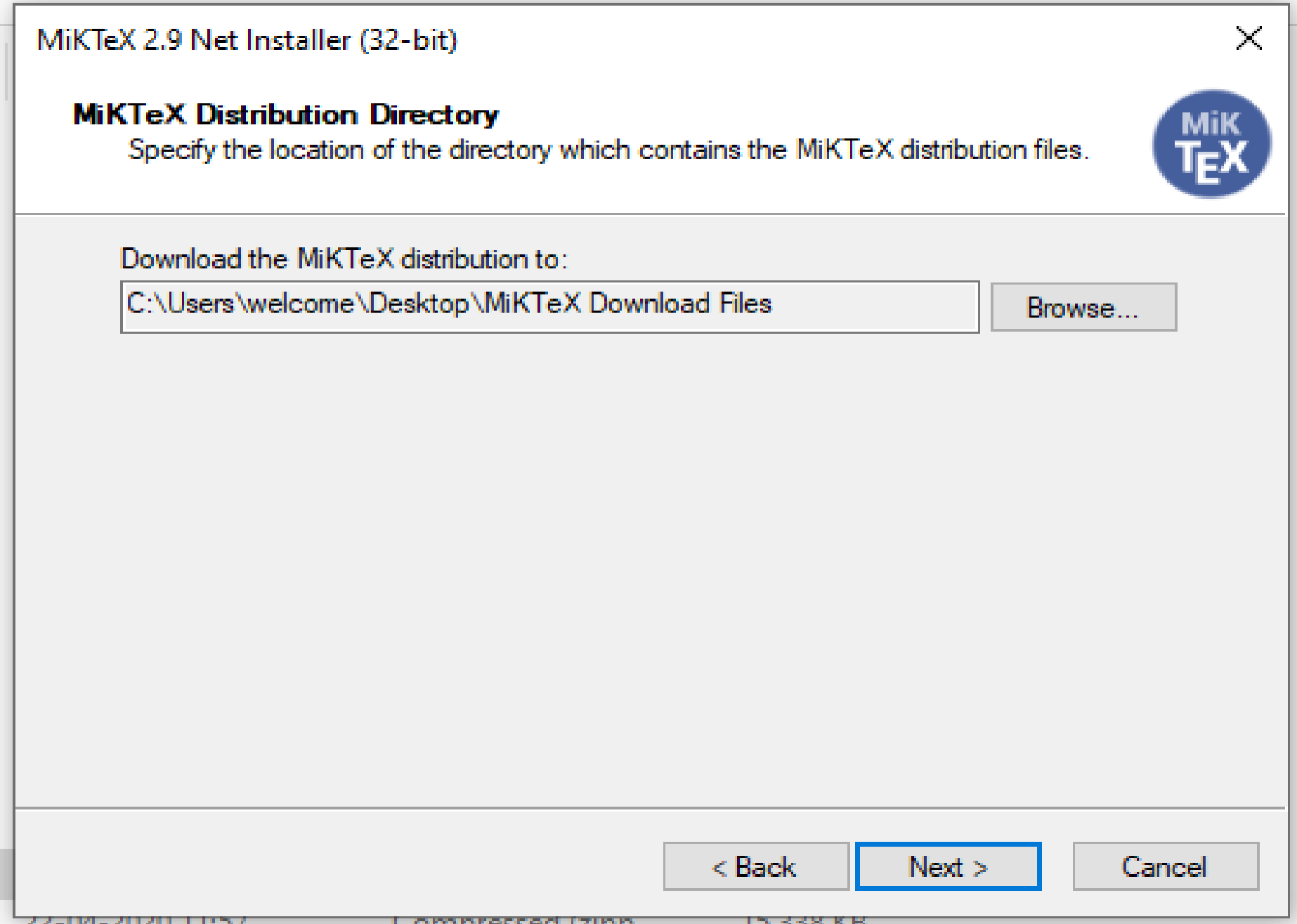
MiKTeX Setup Utility

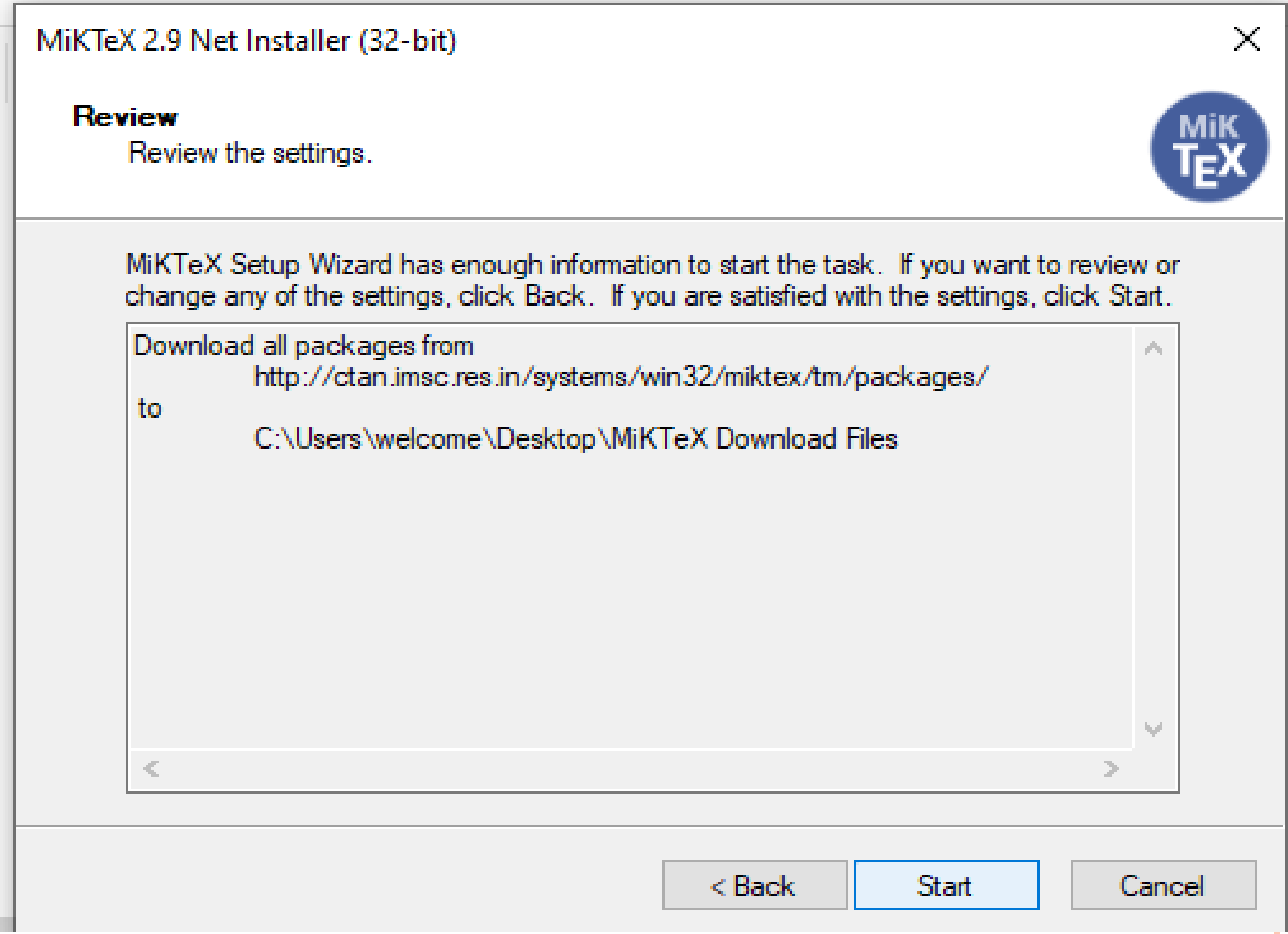

File
Home
Share
View
Application Tools
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Workshop
Search Workshop
Quick access
Downloads
back up
Desktop
HotSpot
Documents
Pictures
Latex
Recommendatic
Screenshots
Workshop
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Name
Date modified
Type
Size
Latex class1 22-04-2020 21:40 File folder
2020-04-23 (2) 23-04-2020 18:20 PNG File 94 KB
2020-04-23 (4) 23-04-2020 18:20 PNG File 144 KB
Journals 22-04-2020 11:56 Microsoft Word D... 3,422 KB
latex ppt 05-01-2016 07:58 Microsoft PowerP... 373 KB
LATEX_for_Researchers 22-04-2020 10:53 Microsoft PowerP... 2,481 KB
Model QP 13-03-2019 17:45 Microsoft Word D... 15 KB
MY REPORT 21-04-2020 19:51 Compressed (zipp... 31,932 KB
Online Workshop on Latex 23-04-2020 18:21 Microsoft PowerP... 4,316 KB
Research methods_Talk_29_7_17 29-07-2017 07:44 Microsoft PowerP... 2,474 KB
setup-2.9.6942 21-04-2020 19:55 Application 19,514 KB
Thesis from Shodhganga 22-04-2020 11:57 Compressed (zipp... 15,338 KB

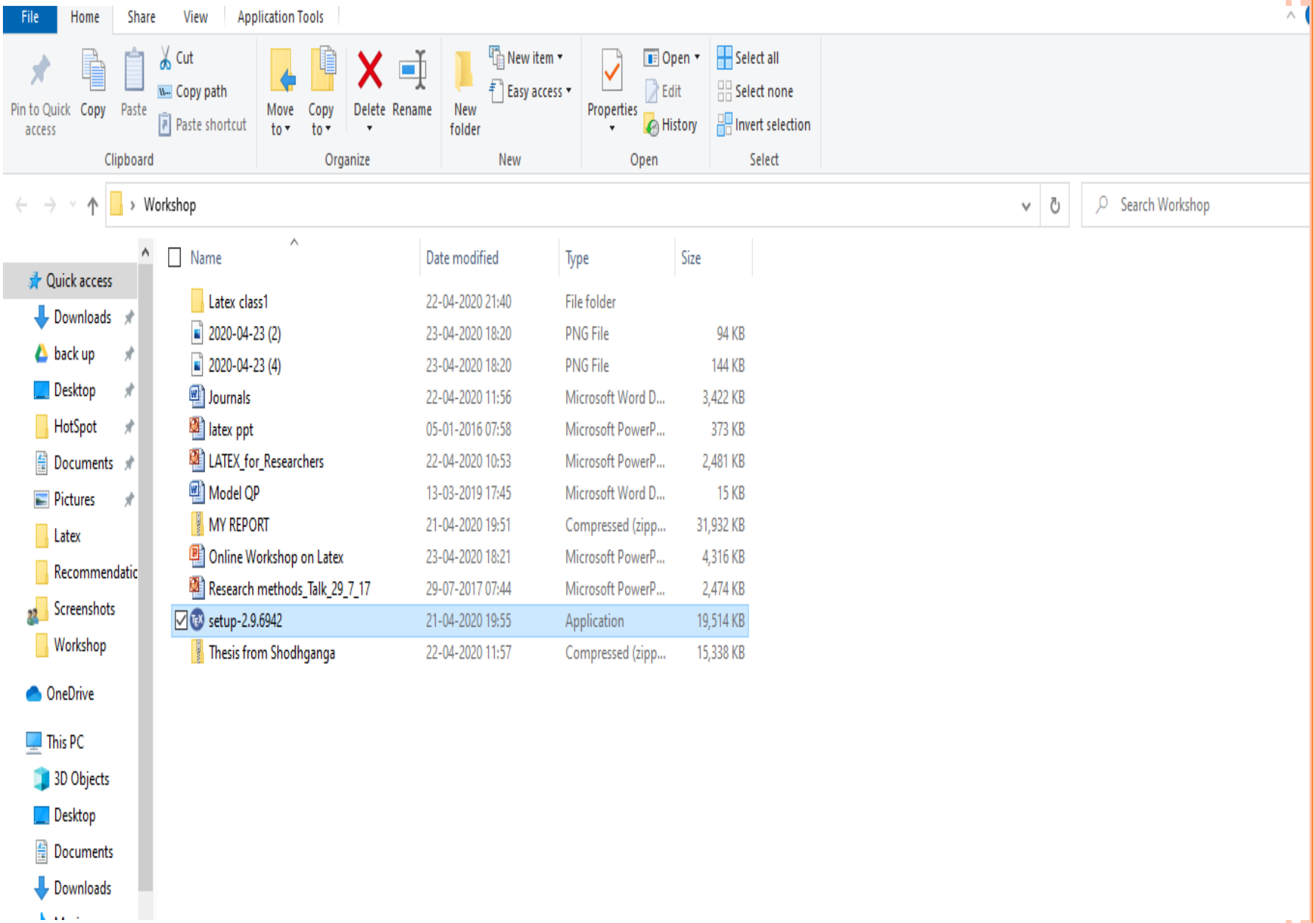

ename
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
MiKTeX 2.9 Net Installer (32-bit)
Copying Conditions
MiKTeX is freely redistributable under certain conditions.
The following article is an adaption of the article "Copying conditions for TeX Live" (reference given at the end).
Copying conditions for MiKTeX
To the best of our knowledge, all software in the MiKTeX distribution is freely redistributable (libre, that is, not necessarily gratis), within the Free Software Foundation's definition and the Debian Free Software Guidelines. Where the two conflict, we generally follow the FSF. If you find any non-free files included, please contact us (reference given at the
I accept the MiKTeX copying conditions.
< Back
Next >
Cancel


MiKTeX 2.9 Net Installer (32-bit)
Task
Choose the task you want carried out.
Download MiKTeX
MiKTeX will be downloaded into a directory on your computer.
Connection Settings...
Install MiKTeX
MiKTeX will be installed from a directory on your computer.
< Back
Next >
Cancel


MiKTeX 2.9 Net Installer (32-bit)
Package Set
Select the packages you want installed.
Basic MiKTeX
A directory will be created which contains the basic MiKTeX distribution.
This is the recommended option. MiKTeX can be configured to install missing packages automatically (in the course of use).
Complete MiKTeX
A directory will be created which contains the complete MiKTeX distribution.
Don't use this option unless you have a fast and reliable Internet connection.
< Back
Next >
Cancel


MiKTeX 2.9 Net Installer (32-bit)
MiKTeX Distribution Directory
Specify the location of the directory which contains the MiKTeX distribution files.
Download the MiKTeX distribution to:
C:\Users\welcome\Desktop\MiKTeX Download Files
Browse...
< Back
Next >
Cancel


MiKTeX 2.9 Net Installer (32-bit)
Review
Review the settings.
MiKTeX Setup Wizard has enough information to start the task. If you want to review or change any of the settings, click Back. If you are satisfied with the settings, click Start.
Download all packages from
http://ctan.imsc.res.in/systems/win32/miktex/tm/packages/
to
C:\Users\welcome\Desktop\MiKTeX Download Files
< Back
Start
Cancel


File
Home
Share
View
Application Tools
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Workshop
Search Workshop
Quick access
Downloads
back up
Desktop
HotSpot
Documents
Pictures
Latex
Recommendatic
Screenshots
Workshop
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Name
Date modified
Type
Size
Latex class1 22-04-2020 21:40 File folder
2020-04-23 (2) 23-04-2020 18:20 PNG File 94 KB
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setup-2.9.6942 21-04-2020 19:55 Application 19,514 KB
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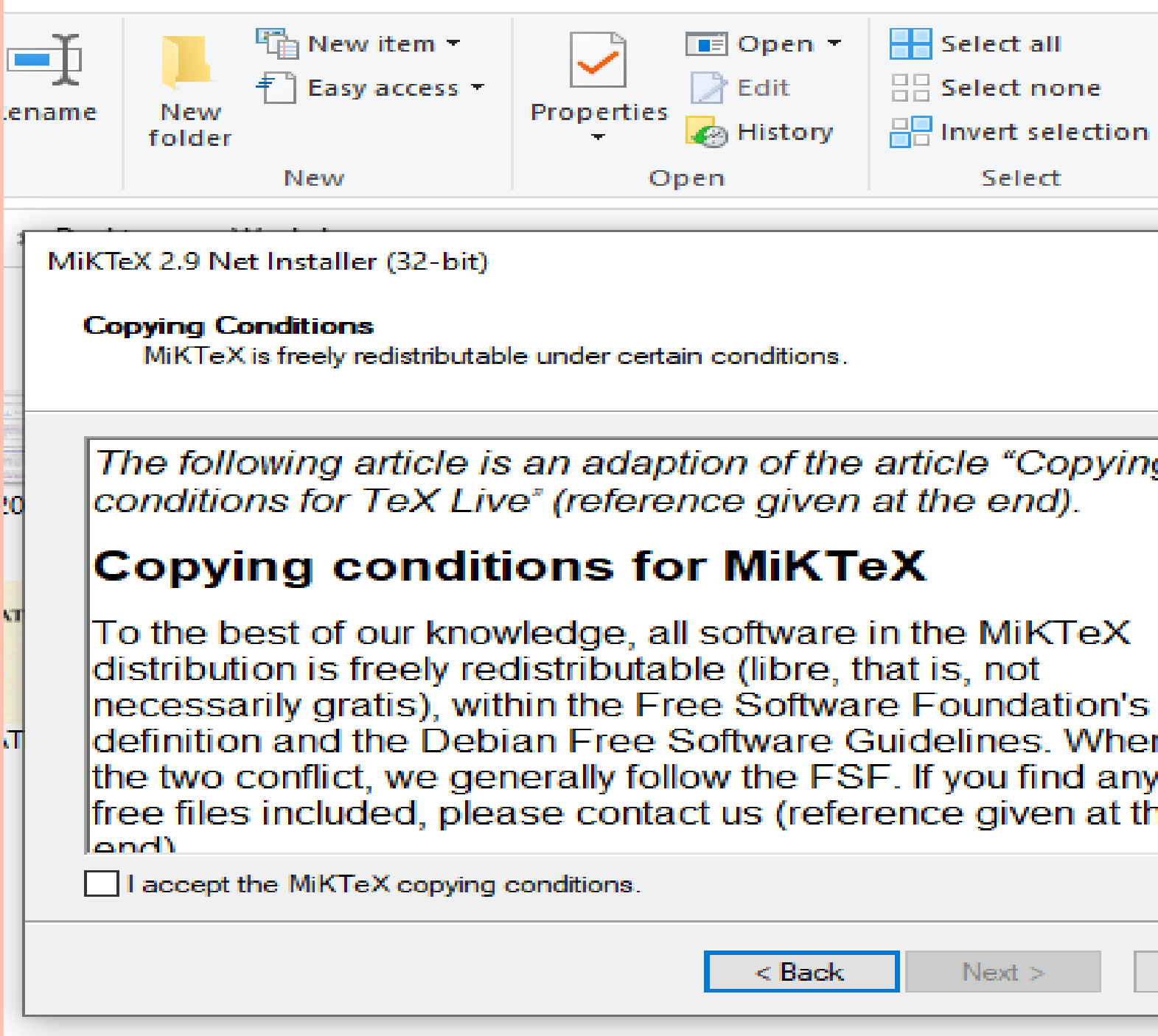
ename
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
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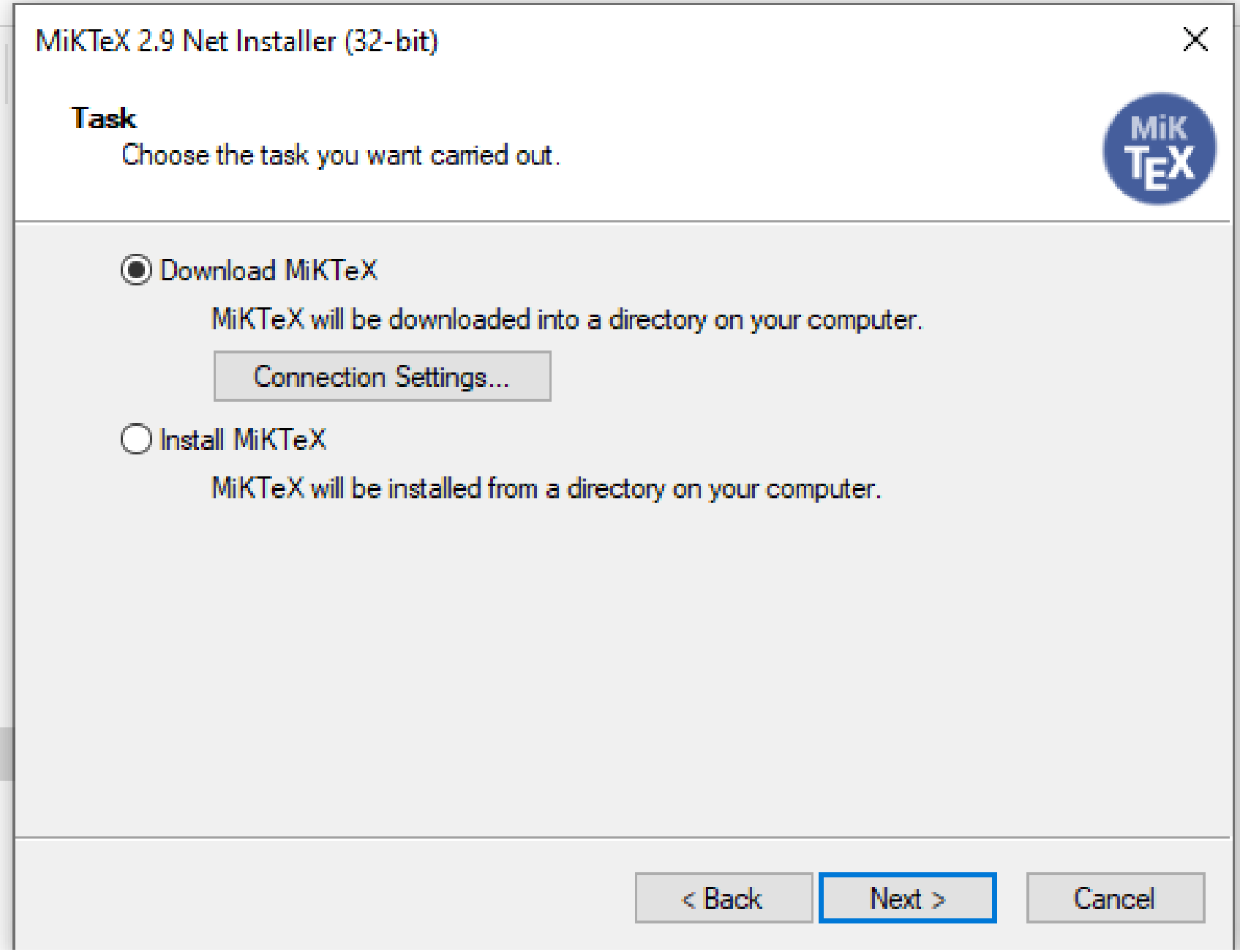
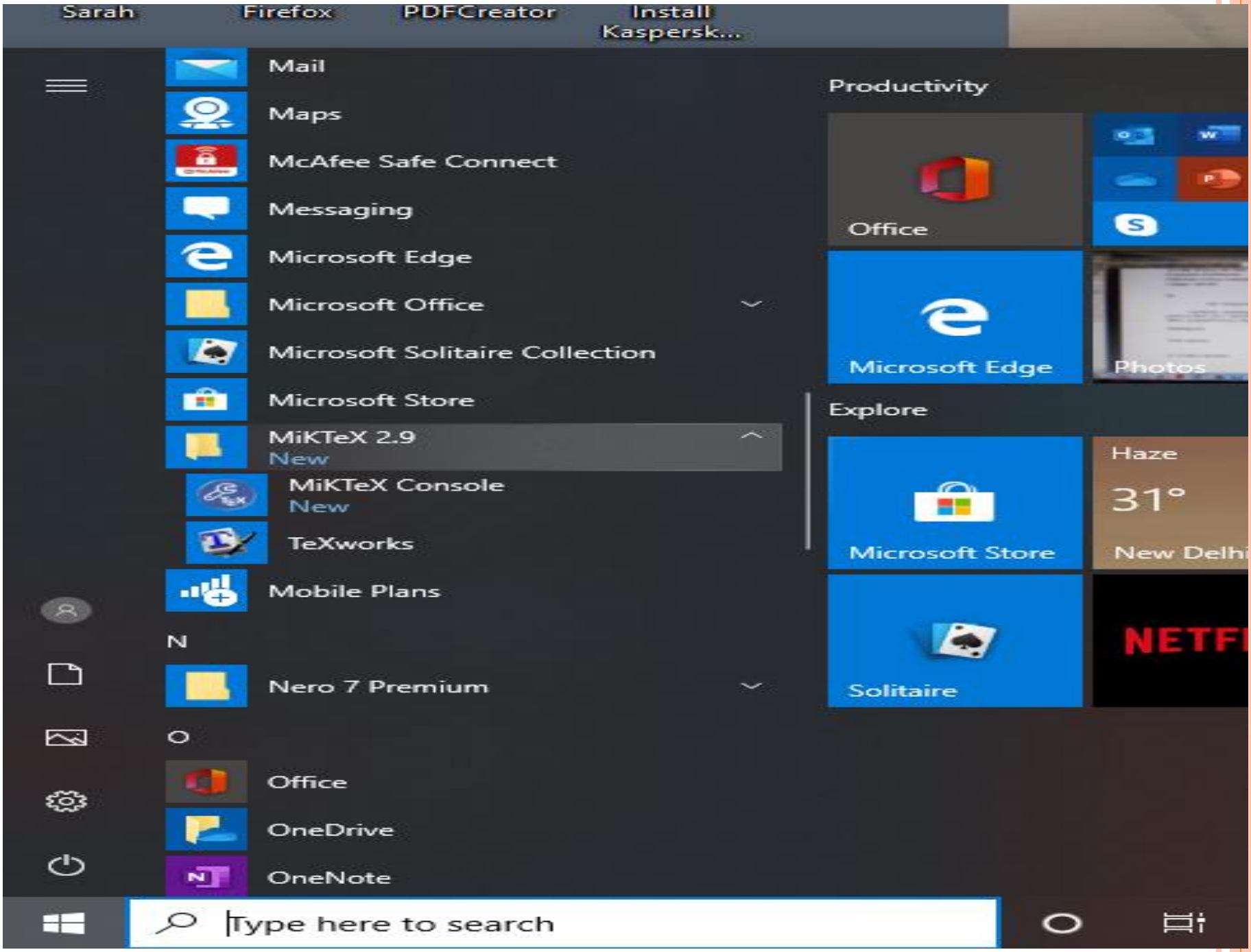
I accept the MiKTeX copying conditions.
< Back
Next >
Cancel


MiKTeX 2.9 Net Installer (32-bit)
Task
Choose the task you want carried out.
Download MiKTeX
MiKTeX will be downloaded into a directory on your computer.
Connection Settings...
Install MiKTeX
MiKTeX will be installed from a directory on your computer.
< Back
Next >
Cancel


Sarah
Firefox
PDFCreator
Install Kaspersk...
Mail
Maps
McAfee Safe Connect
Messaging
Microsoft Edge
Microsoft Office
Microsoft Solitaire Collection
Microsoft Store
MiKTeX 2.9
New
MiKTeX Console
New
TeXworks
Mobile Plans
N
Nero 7 Premium
O
Office
OneDrive
OneNote
Productivity
Office
Microsoft Edge
Photos
Explore
Microsoft Store
Haze
31°
New Delhi
Solitaire
NETF
Type here to search

Simple Typesetting

- \documentclass{article}
- %\usepackage{amsmath}
- %\usepackage{amsthm}
- \begin{document}
-
- This is my \emph{first} document prepared in \LaTeX .
-
- I typed it on \today.

- We have seen that to typeset something in \LaTeX, we type in the text to be typeset together with some \LaTeX commands. Words must be seperated by spaces and lines may be broken arbitrarily.

- The end of a paragraph is specified by a \emph{blank line} in the input. In other words, whenever you want to start a new paragraph, just leave a blank line and proceed.
-
- \noindent The end of a paragraph is specified by a \emph{blank line} in the input. In other words, whenever you want to start a new paragraph, just leave a blank line and proceed.

\end{document}

- \documentclass{article}
- \begin{document}
- I think \LaTeX is fun.
- I think \LaTeX \ is fun.
- Note the difference in right and left quotes in \lq single quotes\rq\ and \lq\lq double quotes\rq\rq.
- Note the difference in right and left quotes in \lq single quotes\rq\ and \lq\lq double quotes\rq\rq.
- X-rays are discussed in pages 221--225 of Volume 3--- the volume on electromagnetic waves.
- \end{document}

- \documentclass{article}
- \begin{document}
- Maybe I have now learnt about 1% of \LaTeX.
-
- Maybe I have now learnt about 1\% of \LaTeX.

- \textasciitilde, \#, \$, \%, \textasciicircum, \&, _, \textbackslash, \{, \}
-
- \end{document}

- Text Positioning
- Type style
- Type Size
- Font Size
- Paper Size
- Page Formats
- Page style
- Page Numbering

Next line

```
\documentclass{article}
\begin{document}
This is the first line. \\ This is the second line.
\end{document}
```

TO INCREASE THE VERTICAL DISTANCE

```
\documentclass{article}
\begin{document}
This is the first line. \\[10pt] This is the second line.
\end{document}
```

Cont…

```
\documentclass{article}
\begin{document}
Graph theory is one of the most powerful mathematical tool for designing and analyzing topological structure of interconnection networks. \\[10pt] It is applied in diverse areas such as social sciences, linguistics, physical sciences, communication engineering and so on. It plays an important role in several areas of computer science, such as switching theory and logic design, parallel computing, artificial intelligence, formal languages, computer graphics, operating systems, compiler writing and information organization and retrieval.

A connection pattern of the components in a system is called interconnection networks or networks in short. An interconnection network consists of hardware and software entities that are interconnected to facilitate efficient computation and communication. These entities can be in the form of processors, processes, memory modules or computer systems.
\end{document}
```

CONT..

```
\documentclass{article}
\begin{document}
Graph theory is one of the most powerful mathematical tool for designing and analyzing topological structure of interconnection networks. It is applied
in diverse areas such as social sciences, linguistics, physical sciences, communication engineering and so on. It plays an important role in several areas of computer science, such as switching theory and logic design, parallel computing, artici.al intelligence, formal languages, computer graphics, operating systems, compiler writing and information organization and retrieval. \\[10pt]

A connection pattern of the components in a system is called interconnection networks or networks in short. An interconnection network consists of hardware and software entities that are interconnected to facilitate efficient computation and communication. These entities can be in the form of processors, processes, memory modules or computer systems.
\end{document}
```

Text Positioning

Text Positioning

Text Positioning

TO BEGIN IN CENTER

\documentclass{article}

\begin{document}

Graph theory is one of the most powerful mathematical tool for designing and analyzing topological structure of interconnection networks.

\begin{center}

It is applied in diverse areas such as social sciences, linguistics, physical sciences, communication engineering and so on.

\end{center}

It plays an important role in several areas of computer science, such as switching theory and logic design, parallel computing, artificial intelligence, formal languages, computer graphics, operating systems, compiler writing and information organization and retrieval.

\end{document}

Mighty things from small beginnings grow

John Dryden

\begin{flushright}……..\end{flushright}

for the text to begin with the right margin.

\begin{flushleft}……..\end{flushleft}

for the text to begin with the left margin.

```
\documentclass{article}
\begin{document}
\begin{center}
Mighty things from small beginnings
grow\begin{flushright} John Dryden
\end{flushright}
\end{center}
\end{document}
```

Type style

	STYLE	COMMAND
FAMILY	roman Sans serif typewriter	\textrm{roman} \textsf{sans serif} \texttt{typewriter}
SERIES	medium boldface	\textmd{medium} \textbf{boldface}
SHAPE	upright *italic* slanted SMALL CAP	\textup{upright} \textit{italic} \textsl{slanted} \textsc{small cap}

roman family, medium series, upright shape

```
\documentclass{article}
\begin{document}
\textsf{A polygon of three sides is called a triangle} and a polygon of four sides is called a quadrilateral
\end{document}
```

```
\documentclass{article}
\begin{document}
\texttt{\textsl{A polygon of three sides is called a triangle and a polygon of four sides is called a quadrilateral}}
\end{document}
```

```
\documentclass{article}
\begin{document}
\textit{A polygon of three sides is called a \emph{triangle} and a polygon of four sides is called a \emph{quadrilateral}}
\end{document}
```

A polygon of three sides is called a *triangle* and a polygon of four sides is called a *quadrilateral*

```
\documentclass{article}
\begin{document}
\textbf{A polygon of three sides is called a \emph{triangle} and a polygon of four sides is called a \emph{quadrilateral}}
\end{document}
```

Type style

	STYLE	COMMAND	DECLARATION
FAMILY	roman Sans serif typewriter	\textrm{roman} \textsf{sans serif} \texttt{typewriter}	{\rmfamily roman} {\sffamily sans serify} {\ttfamily typewriter}
SERIES	medium boldface	\textmd{medium} \textbf{boldface}	{\mdseries medium} {\bfseries boldface}
SHAPE	upright *italic* slanted SMALL CAP	\textup{upright} \textit{italic} \textsl{slanted} \textsc{small cap}	{\upshape upright} {\itshape italic} {\slshape slanted} {\scshape small cap}

Type size

Size	\tiny{size}
Size	\scriptsize{size}
Size	\footnotesize{size}
Size	\small{size}
Size	\normalsize{size}
Size	\large{size}
Size	\Large{size}
Size	\LARGE{size}
Size	\huge{size}
Size	\Huge{size}

```
\documentclass{article}
\begin{document}
Mighty things from {\tiny small} beginnings grow
\end{document}
```

```
\documentclass{article}
\begin{document}
Mighty things from \tiny {small} beginnings grow
\end{document}
```

```
\documentclass{article}
\begin{document}
Mighty things from {\tiny small} beginnings grow.\\
Mighty things from {\scriptsize small} beginnings grow.\\
Mighty things from {\footnotesize small} beginnings grow.\\
Mighty things from {\small small} beginnings grow.\\
Mighty things from {\normalsize small} beginnings grow.\\
Mighty things from {\large small} beginnings grow.\\
Mighty things from {\Large small} beginnings grow.\\
Mighty things from {\LARGE small} beginnings grow.\\
Mighty things from {\huge small} beginnings grow.\\
Mighty things from {\Huge small} beginnings grow.
\end{document}
```

The Technical Institute

CERTIFICATE

This is to certify that Mr. Sam has undergone a course at this institute and is qualified to be a technician.

The Director

The Technical Institute

Document class

\documentclass{article}

book

report

letter

\documentclass[options]{class}

Font size

- 10pt
- 11pt
- 12pt

```
\documentclass[11pt]{article}
```

Paper size

letterpaper	11×8.5in
legalpaper	14×8.5in
executivepaper	10.5×7.25in
a4paper	20.7×21in
a5paper	21×14.8in
b5paper	25×17.6in

Page format

onecolumn

twocolumn

Oneside

twoside

oneside – article, report and letter

twoside - book

Page style

\pagestyle{.....}

\pagestyle{plain}

- page head is empty
- foot contains page number (centered with respect to the width of the text)
- default for the article.

\pagestyle{empty}

both head and foot are empty; no page numbers are printed.

\pagestyle{headings}

foot is empty; head contains page number & name of the chapter section or subsection

CLASS	OPTION	LEFT PAGE	RIGHT PAGE
book, report	One-sided	-	chapter
	Two-sided	Chapter	Section
article	One-sided	-	Section
	Two-sided	Section	Subsection

\pagestyle{myheadings}

same as headings section information in the head are not predetermined.

\markright or \markboth

\markboth{left head{right head} (two-sided)
\markright{righthead} (one-sided)

\thispagestyle{style}
\thispagestyle{empty}

Page numbering

\pagenumbering{arabic}

roman

Roman

alph

Alph

\setcounter{page}{number}

Assignment

Download and install MikTeX and create a two page document which includes all the simple typesetting commands along with fonts and pagestyle that you have learnt today. Zip the folder which contains the document and mail us at mathssmc2020@gmail.com before your next session.

Thank you.