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Overview



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Live coding



History



History



TEX, is a typesetting system which was designed and written by **Donald Knuth**, a Stanford University professor, and first released in **1978**, to improve the quality of mathematical notation in his books.



History



TEX, is a typesetting system which was designed and written by **Donald Knuth**, a Stanford University professor, and first released in **1978**, to improve the quality of mathematical notation in his books.



ETEX is a software system for document preparation which was created in the early **1980s** by **Leslie Lamport**, when he was working at SRI. He needed to write TeX macros for his own use, and thought that with a little extra effort he could make a general package usable by others







MS Word	ĽТEX



MS Word	ĽT _E X
Easy to use	Some hours to learn it



MS Word	ĽTEX
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work



MS Word	Ľ⁴TĘX
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work
You have to pay for it	It is Free and Open source



MS Word	ĽT _E X
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work
You have to pay for it	It is Free and Open source
Difficult citation management	Bibliography



MS Word	ĿΤĒΧ
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work
You have to pay for it	It is Free and Open source
Difficult citation management	Bibliography
Difficult to change	Easy to change



MS Word	I≜T _E X
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work
You have to pay for it	It is Free and Open source
Difficult citation management	Bibliography
Difficult to change	Easy to change
What you see is what you get	Needs to be compiled



MS Word

Easy to use
Useful for daily use
You have to pay for it
Difficult citation management
Difficult to change
What you see is what you get
Slow for large files

Some hours to learn it
Technical & Scientific work
It is Free and Open source
Bibliography
Easy to change
Needs to be compiled
Faster because you write down only
the contents



MS Word	Ŀĭ <u>F</u> X
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work
You have to pay for it	It is Free and Open source
Difficult citation management	Bibliography
Difficult to change	Easy to change
What you see is what you get	Needs to be compiled
Slow for large files	Faster because you write down only the contents
Useful for simple editing	Great mathematical tools



MS Word	ĿĭĿX
Easy to use	Some hours to learn it
Useful for daily use	Technical & Scientific work
You have to pay for it	It is Free and Open source
Difficult citation management	Bibliography
Difficult to change	Easy to change
What you see is what you get	Needs to be compiled
Slow for large files	Faster because you write down only
	the contents
Useful for simple editing	Great mathematical tools
Not compatible with all versions	Compatible (PDF output)

Applications



Applications



1. Create graphic elements using TikZ

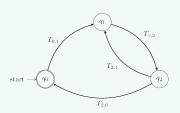


Figure: Simple

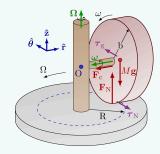


Figure: Complex

Applications



- 1. Create graphic elements using TikZ
- 2. Create presentation slides with **Beamer** (Like our presentation ©)

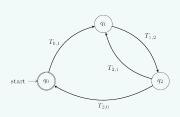


Figure: Simple

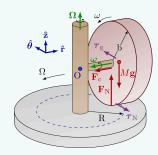


Figure: Complex





Online platforms:



Online platforms:

✓ Overleaf (Recommended)



Online platforms:

- ✔ Overleaf (Recommended)
- ✓ Texlive



Online platforms:

- ✓ Overleaf (Recommended)
- ✓ Texlive
- ✓ Tutorialspoint



Online platforms:

- ✓ Overleaf (Recommended)
- ✓ Texlive
- ✓ Tutorialspoint

Offline platforms:



Online platforms:

- ✓ Overleaf (Recommended)
- ✓ Texlive
- ✓ Tutorialspoint



Offline platforms:

✓ WinEdt + MiKTeX



Online platforms:

- ✓ Overleaf (Recommended)
- ✓ Texlive
- ✓ Tutorialspoint



Offline platforms:

- ✓ WinEdt + MiKTeX
- ✓ Texstudio + Tex Live







English documents can be compiled using the procedure bellow:



English documents can be compiled using the procedure bellow:

1. Create a [filename].tex file



English documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program



English documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program
- 3. Compile using \$ PDFLaTeX [filename].tex



English documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program
- 3. Compile using \$ PDFLaTeX [filename].tex

Persian documents can be compiled using the procedure bellow:



English documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program
- 3. Compile using \$ PDFLaTeX [filename].tex

Persian documents can be compiled using the procedure bellow:

1. Create a [filename].tex file



English documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program
- 3. Compile using \$ PDFLaTeX [filename].tex

Persian documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program

Compile



English documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program
- 3. Compile using \$ PDFLaTeX [filename].tex

Persian documents can be compiled using the procedure bellow:

- 1. Create a [filename].tex file
- 2. Write your program
- 3. Compile using \$ XeLaTeX [filename].tex

Basic Concepts





Standard Control Sequences

```
\documentclass[options]{class}
\usepackage{packages}
\begin{document}
......
\end{document}
```



Standard Control Sequences

```
\documentclass[options]{class}
\usepackage{packages}
\begin{document}
......
\end{document}
```

Other Classes

{report}, {book}, {letter}, {beamer}, ...



Standard Control Sequences

\documentclass[options]{class} \usepackage{packages} \begin{document} \end{document}

Other Classes

{report}, {book}, {letter}, {beamer}, ...

Example

\documentclass[12pt]{article} \usepackage{tabularx,graphics} \begin{document} Hello world! \newpage Seems good using ETEX! \end{document}





In order to write our documents in persian, we should use the XePersian package.



In order to write our documents in persian, we should use the *XePersian package*.

Typesetting

\documentclass{article}

\usepackage{xepersian}

\settextfont{XB Niloofar}

\begin{document}

این فقط یک آز مایش است

\end{document}



In order to write our documents in persian, we should use the *XePersian package*.

Typesetting

\documentclass{article} \usepackage{xepersian} \settextfont{XB Niloofar} \begin{document}

این فقط یک آز مایش است

\end{document}

این فقط یک آزمایش است

Document info



Document info



Typesetting

```
\documentclass{article}
\title{Just see how great is LETEX}
\author{Alireza Lotfi}
\date{\today}
\begin{document}
\maketitle
\end{document}
```

Document info



Typesetting

```
\documentclass{article}
\title{Just see how great is LETEX}
\author{Alireza Lotfi}
\date{\today}
\begin{document}
\maketitle
\end{document}
```

Just see how great is LATEX

Alireza Lotfi

March 26, 2022

Section, subsection, subsubsection



Section, subsection



Typesetting

```
\documentclass{article}
\begin{document}
  \section {name1}
  Testing section
    \subsection {name2}
    Testing subsection
       \subsubsection {name3}
       Testing subsubsection
         \paragraph {name4}
         Testing paragraph
            \subparagraph {name5}
            Testing subparagraph
\end{document}
```

Section, subsection, subsubsection



Typesetting

```
\documentclass{article}
\begin{document}
  \section {name1}
  Testing section
    \subsection {name2}
    Testing subsection
       \subsubsection {name3}
       Testing subsubsection
         \paragraph {name4}
         Testing paragraph
            \subparagraph {name5}
            Testing subparagraph
\end{document}
```

$1 \quad name1$

Testing section

1.1 name2

Testing subsection

1.1.1 name3

Testing subsubsection

name4 Testing paragraph

name5 Testing subparagraph





Table of contents will be automatically created using the syntax bellow.



Table of contents will be automatically created using the syntax bellow.

Typesetting

\documentclass{article}
\begin{document}
\tableofcontents
\newpage
\end{document}



Table of contents will be automatically created using the syntax bellow.

Typesetting

\documentclass{article} \begin{document} \tableofcontents \newpage \end{document}

Contents

1	name1																:										
	1.1	${\rm name2}$				i.	i.			i.			i.	i.	i.		ï	·	ŀ	ŀ		·	ï	ŀ	ŀ	ï	
		1.1.1	name3		÷																						

Line break, comment



Line break, comment



Result

I am going to break the line here and here.

But you can't see what I have written bellow. Maybe you should check the comments ©.

Line break, comment



Result

I am going to break the line here and here.

But you can't see what I have written bellow. Maybe you should check the comments ©.

Typesetting

\documentclass{article}

\begin{document}

I am going to break the line here \\

and here. \newline

But you can't see what I have written bellow. Maybe you should check the comments ©.

\% Congratulations!! You found the comment.

\end{document}

Fundamental Commands

Font size



Font size



Result

This is tiny.

This is scriptsize.

This is footnotesize.

This is small.

This is normal size.

This is large.

This is Large.

This is LARGE.

This is huge.

This is Huge.

Font size



Result

This is tiny.

This is scriptsize.

This is footnotesize.

This is small.

This is normal size.

This is large.

This is Large.

This is LARGE.

This is huge.

This is Huge.

Typesetting

\documentclass{article}

\begin{document}

\tiny This is tiny.

\scriptsize This is scriptsize.

\footnotesize This is footnotesize.

\small This is small.

\normalsize This is normal size.

\large This is large.

\Large This is Large.

LARGE This is LARGE.

\huge This is huge.

\Huge This is Huge.

\end{document}

Font styles



Font styles



Result

Do not *worry about* your **difficulties** in <u>mathematic</u>, I assure you that mine are **greater**.

Einstein, Albert (1879-1955)

Font styles



Result

Do not worry about your difficulties in mathematic, I assure you that mine are greater.

Einstein, Albert (1879-1955)

Typesetting

Do not \textit{worry about} your \textbf{difficulties} in \underline{mathematic}, I assure you that mine are \huge greater \normalsize. % You don't need to know what is flushright! \begin{flushright}

\underline{\textbf{\textit{Einstein, Albert}}} (1879-1955)

\end{flushright}

Ordered list



Ordered list



Typesetting

```
\documentclass{article}
\begin{document}
\begin{enumerate}
\item First item
\item Second item
\item Third item
\end{enumerate}
\end{document}
```

Ordered list



Typesetting

```
\documentclass{article}
\begin{document}
\begin{enumerate}
\item First item
\item Second item
\item Third item
\end{enumerate}
\end{document}
```

Result

- 1. First item
- 2. Second item
- 3. Third item

Unordered list



Unordered list



Typesetting

```
\documentclass{article}
\begin{document}
\begin{itemize}
\item First item
\item Second item
\item Third item
\end{itemize}
\end{document}
```

Unordered list



Typesetting

```
\documentclass{article}
\begin{document}
\begin{itemize}
\item First item
\item Second item
\item Third item
\end{itemize}
\end{document}
```

Result

- ✓ First item
- ✓ Second item
- ✓ Third item

Nested lists



Nested lists



```
Typesetting
```

```
\documentclass{article}
\begin{document}
  \begin{enumerate}
    \item First item
       \begin{itemize}
          \item First nested item
          \item Second nested item
       \end{itemize}
    \item Second item
    \item Third item
  \end{enumerate}
\end{document}
```

Nested lists



Typesetting

```
\documentclass{article}
\begin{document}
  \begin{enumerate}
    \item First item
       \begin{itemize}
         \item First nested item
         \item Second nested item
       \end{itemize}
    \item Second item
    \item Third item
  \end{enumerate}
\end{document}
```

Result

- 1. First item
 - First nested item
 - Second nested item
- 2. Second item
- 3. Third item

Simple table



Simple table



Typesetting

```
\documentclass{article}
\begin{document}
\begin{tabular}{c||c|c}
Function & X & Y \\hline
f(x, y) & 10 & 11 \\
z(x, y) & 12 & 13 \\
w(x, y) & 14 & 15 \\
\end{tabular}
\end{document}
```

Simple table



Typesetting

```
\documentclass{article}
\begin{document}
\begin{tabular}{c||c|c}
Function & X & Y \\hline
f(x, y) & 10 & 11 \\
z(x, y) & 12 & 13 \\
w(x, y) & 14 & 15 \\
\end{tabular}
\end{document}
```

Result

Function	X	Y
f(x, y)	10	11
z(x, y)	12	13
w(x, y)	14	15

Positioning table



Positioning table



Typesetting

```
\documentclass{article}
\begin{document}
  \begin{table}[h]
     \centering
     \begin{array}{c} \begin{array}{c} \\ \\ \end{array} \end{array}
        Function & X & Y \\\hline
        fx, y & 10 & 11 \\
        z(x, y) & 12 & 13 \\
        w(x, y) & 14 & 15 \\
     \end{tabular}
     \caption{This is our table}
     \label{table ref 1}
  \begin{table}
\end{document}
```

Positioning table



Typesetting

```
\documentclass{article}
\begin{document}
  \begin{table}[h]
     \centering
     \begin{array}{c} \begin{array}{c} \\ \\ \end{array} \end{array}
        Function & X & Y \\\hline
        fx, y & 10 & 11 \\
        z(x, y) & 12 & 13 \\
        w(x, y) & 14 & 15 \\
     \end{tabular}
     \caption{This is our table}
     \label{table ref 1}
  \begin{table}
\end{document}
```

Result

Function	X	Y
f(x, y)	10	11
z(x, y)	12	13
w(x, y)	14	15

Table: This is our table











- ✓ \(...\)
- **\$...\$**



- ✓ \(...\)
- **✓** \$...\$
- ✓ \begin{math}...\end{math}



You can use any of these "delimiters" to typeset your math in **inline mode**:

- ✓ \(...\)
- **\$...\$**
- ✓ \begin{math}...\end{math}



You can use any of these "delimiters" to typeset your math in **inline mode**:

- ✓ \(...\)
- **\$...\$**
- ✓ \begin{math}...\end{math}



You can use any of these "delimiters" to typeset your math in **inline mode**:

- ✓ \(...\)
- **\$...\$**
- ✓ \begin{math}...\end{math}

- ✓ \[...\]
- ✓ \begin{displaymath}...\end{displaymath}



You can use any of these "delimiters" to typeset your math in **inline mode**:

- ✓ \(...\)
- **\$...\$**
- ✓ \begin{math}...\end{math}

- ✓ \[...\]
- ✓ \begin{displaymath}...\end{displaymath}
- ✓ \begin{equation}...\end{equation}

Inline mode example



Inline mode example



Typesetting

Inline mode example



Typesetting

Result

Ex 1:
$$f(x) = 2 \times x + 5$$

Ex 2: $f(x) = 2 \times x + 5$
Ex 3: $f(x) = 2 \times x + 5$

Display mode example



Display mode example



Typesetting

Display mode example



Typesetting

```
\documentclass{article}
```

\begin{document}

```
Ex 1: \backslash [f(x) = 2 \backslash x + 5 \rfloor \backslash
```

Ex 2: $\begin{displaymath} f(x) = 2 \times x + 5 \end{pmatrix}$

Ex 3: $\begin{equation} f(x) = 2 \times x + 5 \end{equation}$

\end{document}

Result

Ex 1:

$$f(x) = 2 \times x + 5$$

Ex 2:

$$f(x) = 2 \times x + 5$$

Ex 3:

$$f(x) = 2 \times x + 5$$

(1)

Subscripts and superscripts



Subscripts and superscripts



Typesetting

Subscripts and superscripts



Typesetting

Result

Superscript:

$$f(x) = x^{2+y} + 5$$

Superscript:

$$x_n = x_{n-1} + x_{n-2}$$





Description	Command	Output



Description	Command	Output
multiplication (times)	\times	×



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	
division symbol	\div	÷



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	
division symbol	\div	*
division (slash)	/	/



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	•
division symbol	\div	*
division (slash)	/	/
fraction	\frac{a}{b}	$\frac{a}{b}$



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	•
division symbol	\div	*
division (slash)	/	/
fraction	$\frac{a}{b}$	$\frac{a}{b}$
square root	\sqrt{x}	\sqrt{x}



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	
division symbol	\div	<u>.</u>
division (slash)	/	/
fraction	$\frac{a}{b}$	$\frac{a}{b}$
square root	\sqrt{x}	\sqrt{x}
<i>n</i> th root	$\sqrt{n}{x}$	$\sqrt[n]{\chi}$



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	•
division symbol	\div	*
division (slash)	/	/
fraction	\frac{a}{b}	$\frac{a}{b}$
square root	\sqrt{x}	\sqrt{x}
<i>n</i> th root	$\sqrt{n}{x}$	$\sqrt[n]{x}$
exponentiation	\a^b	a^b



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	•
division symbol	\div	*
division (slash)	/	/
fraction	$\frac{a}{b}$	$\frac{a}{b}$
square root	\sqrt{x}	\sqrt{x}
nth root	$\sqrt{n}{x}$	$\sqrt[n]{x}$
exponentiation	\a^b	a^b
natural log	$\ln(x)$	ln(x)
<u> </u>		1 ()



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	•
division symbol	\div	*
division (slash)	/	/
fraction	$\frac{a}{b}$	$\frac{a}{b}$
square root	\sqrt{x}	\sqrt{x}
<i>n</i> th root	$\sqrt{n}{x}$	$\sqrt[n]{x}$
exponentiation	\a^b	a^b
natural log	$\ln(x)$	ln(x)
logarithms	\log_{a}b	$\log_a b$



Description	Command	Output
multiplication (times)	\times	×
multiplication (dot)	\cdot	•
division symbol	\div	*
division (slash)	/	/
fraction	\frac{a}{b}	$\frac{a}{h}$
square root	\sqrt{x}	\sqrt{x}
nth root	$\sqrt{n}{x}$	$\sqrt[n]{\chi}$
exponentiation	\a^b	a^b
natural log	$\ln(x)$	ln(x)
logarithms	\log_{a}b	$\log_a b$
exponential function	$e^x = \exp(x)$	$e^x = \exp(x)$





Typesetting

```
\documentclass{article}
\usepackage{hyperref}
\begin{document}
\url{link}
\href{link}{text}
\end{document}
```



Typesetting

```
\documentclass{article}
\usepackage{hyperref}
\begin{document}
\url{link}
\href{link}{text}
\end{document}
```

Example

```
Typesetting \documentclass{article} \usepackage{hyperref} \begin{document} \url{https://google.com/} \href{https://google.com/}{Google} \end{document}
```



Typesetting

```
\documentclass{article}
\usepackage{hyperref}
\begin{document}
\url{link}
\href{link}{text}
\end{document}
```

Example

```
Typesetting \documentclass{article} \usepackage{hyperref} \begin{document} \url{https://google.com/} \href{https://google.com/}{Google} \end{document}
```

Result

https://google.com Google





Typesetting

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
\includegraphics{[Options]{File path}}
\end{document}
```



```
Typesetting
```

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
\includegraphics{[Options]{File path}}
\end{document}
```

Example

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
  \includegraphics{[width=0.6 \textwidth]{Images/ziarati.jpg}}}
\end{document}
```



Typesetting

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
\includegraphics{[Options]{File path}}
\end{document}
```



Example

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
\includegraphics{[width=0.6 \textwidth]{Images/ziarati.jpg}}
\end{document}
```

Positioning image



Positioning image



Typesetting

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
  \begin{figure}[h]
  \centering
  \includegraphics{[width=0.12 \textwidth]{Images/ziarati2.jpeg}}}
  \caption{This is our image}
  \label{image_ref_1}
  \end{figure}
\end{document}
```

Positioning image



Typesetting

```
\documentclass{article}
\usepackage{graphicx}
\begin{document}
  \begin{figure}[h]
  \centering
  \includegraphics{[width=0.12 \textwidth]{Images/ziarati2.jpeg}}
  \caption{This is our image}
  \label{image_ref_1}
  \end{figure}
\end{document}
```



Figure: This is our image





Typesetting

```
\documentclass{article}
\begin{document}
\begin{thebibliography}{maxItems}
\bibitem{ref1} item 1
\bibitem{ref2} item 2
\end{thebibliography}
\end{document}
```



Typesetting

```
\documentclass{article}
\begin{document}
\begin{thebibliography}{maxItems}
\bibitem{ref1} item 1
\bibitem{ref2} item 2
\end{thebibliography}
\end{document}
```

Example

```
\documentclass{article}
\begin{document}

Using first reference \cite{first} and second reference \cite{second}.
\begin{thebibliography}{9}
\bibitem{first} first ref
\bibitem{second} second ref
\end{thebibliography}
\end{document}
```



Typesetting

```
\documentclass{article}
\begin{document}
\begin{thebibliography}{maxItems}
\bibitem{ref1} item 1
\bibitem{ref2} item 2
\end{thebibliography}
\end{document}
```

Using first reference [1] and second reference [2].

References

- [1] first ref
- [2] second ref

Example

```
\documentclass{article}
\begin{document}

Using first reference \cite{first} and second reference \cite{second}.
\begin{thebibliography}{9}
\bibitem{first} first ref
\bibitem{second} second ref
\end{thebibliography}
\end{document}
```





To use bibtex you must:



To use bibtex you must:

1. Create a database (.bib) file that describes the articles that you want to reference.



To use bibtex you must:

- 1. Create a database (.bib) file that describes the articles that you want to reference.
- 2. Specify the style and location of the bibliography in your LaTeX document.



To use bibtex you must:

- 1. Create a database (.bib) file that describes the articles that you want to reference.
- 2. Specify the style and location of the bibliography in your LaTeX document.
- 3. Run latex and bibtex.



To use bibtex you must:

- 1. Create a database (.bib) file that describes the articles that you want to reference.
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Why should you use Bibtex?

✓ Let the style file worry about formatting the bibliography.



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- ✓ It is not hard!



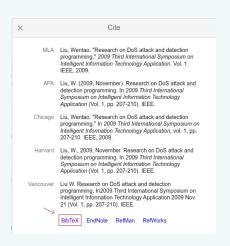


Research on **DoS attack** and detection programming

W Liu - 2009 Third International Symposium on Intelligent ..., 2009 - ieeexplore.ieee.org ... In this paper, the DoS attack principle is discussed and some DoS attack methods are ... , the DoS attack principle and some attack methods are introduced and the program for attack and ...

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```
@inproceedings {liu2009research, title={Research on DoS attack and detection programming}, author={Liu, Wentao}, booktitle={2009 Third International Symposium on Intelligent Information Technology Application}, volume={1}, pages={207-210}, year={2009}, organization={IEEE}}
```





Typesetting

```
\documentclass{article}
\begin{document}
...
\bibliographystyle{style}
\bibliography{.bib file name}
\end{document}
```



Typesetting

\documentclass{article} \begin{document} \bibliographystyle{style}

\bibliography{.bib file name}

\end{document}

Example

\documentclass{article} \begin{document} This reference \cite{liu2009research} is what we were talking about. \bibliographystyle{plain} \bibliography{database} \end{document}



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This reference [1] is what we were talking about.

References

[1] Wentao Liu. Research on dos attack and detection programming. In 2009 Third International Symposium on Intelligent Information Technology Application, volume 1, pages 207–210. IEEE, 2009.

References



- 1. https://en.wikipedia.org
- 2. https://www.latex-project.org
- 3. https://www.overleaf.com
- 4. https://www.learnlatex.org
- 5. https://texlive.net/run
- 6. https://www.unf.edu
- 7. https://realtechnologytools.com
- 8. http://mirrors.ibiblio.org

