

L^AT_EX



LaTeX Lab 6: Bibliography

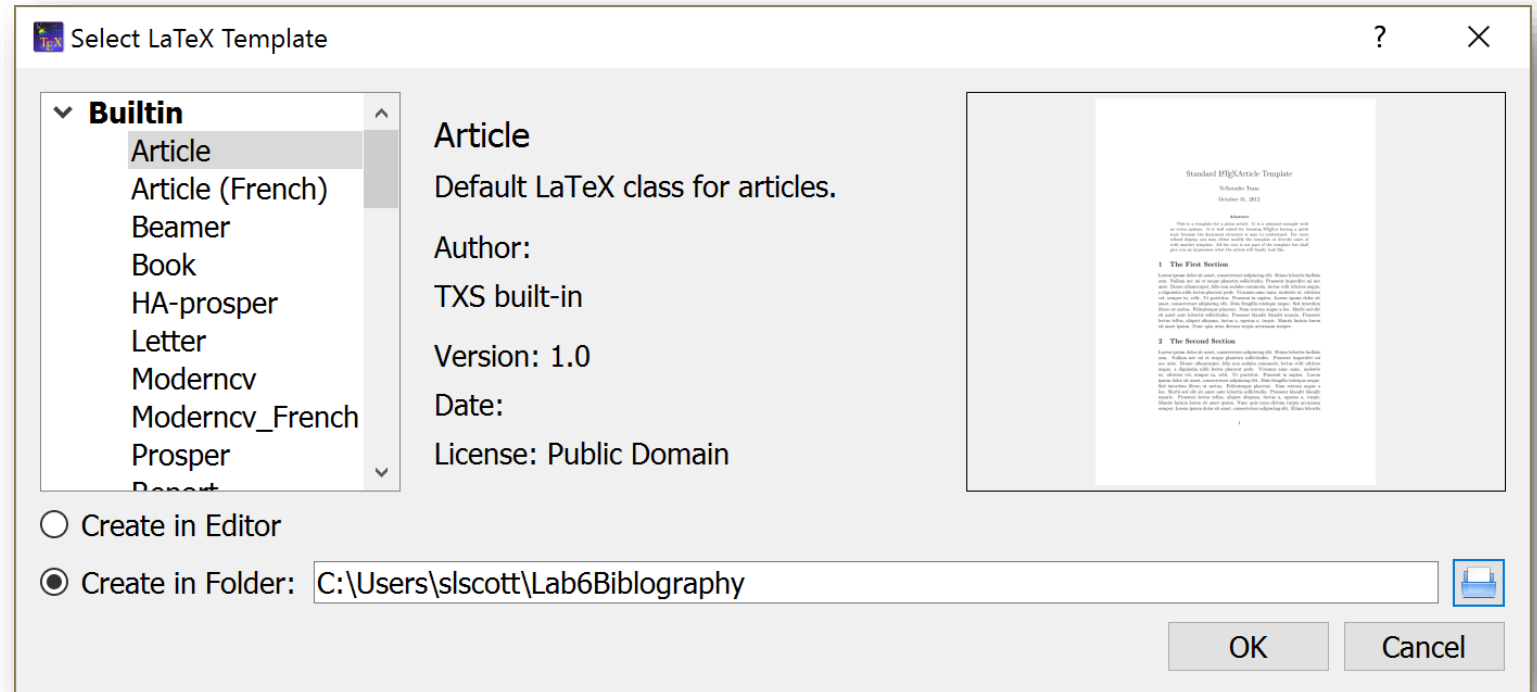
CSI 500

Course material derived from:


Lamport, L. (1994). *L^AT_EX: a document preparation system: user's guide and reference manual*. Addison-Wesley.

Article

- Let's make another LaTeX document
- Make a new folder called "Lab6Bibliography"
- In TexStudio, File, New From Template
- Select "Article"
- Select "Create in Folder", and navigate to your "Lab6Bibliography" folder.
- Press OK



Bibliography LaTeX code

- Type in the following in the editor window.
 - Your additions are shown in **RED** font color
 - the "%" indicates comments
- Save the document
- Press the green arrowhead titled "Build and View" on the menu bar - it looks like this 
- At the dialog box, press F5 and OK

% Bibliography example

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

%opening

```
\title{Lab 6 - LaTeX Bibliography}  
\author{ Your Name }
```

```
\begin{ document }
```

```
\maketitle
```

```
\begin{ abstract }
```

In this lab, we use LaTeX citation and bibliography features.

```
\end{ abstract }
```

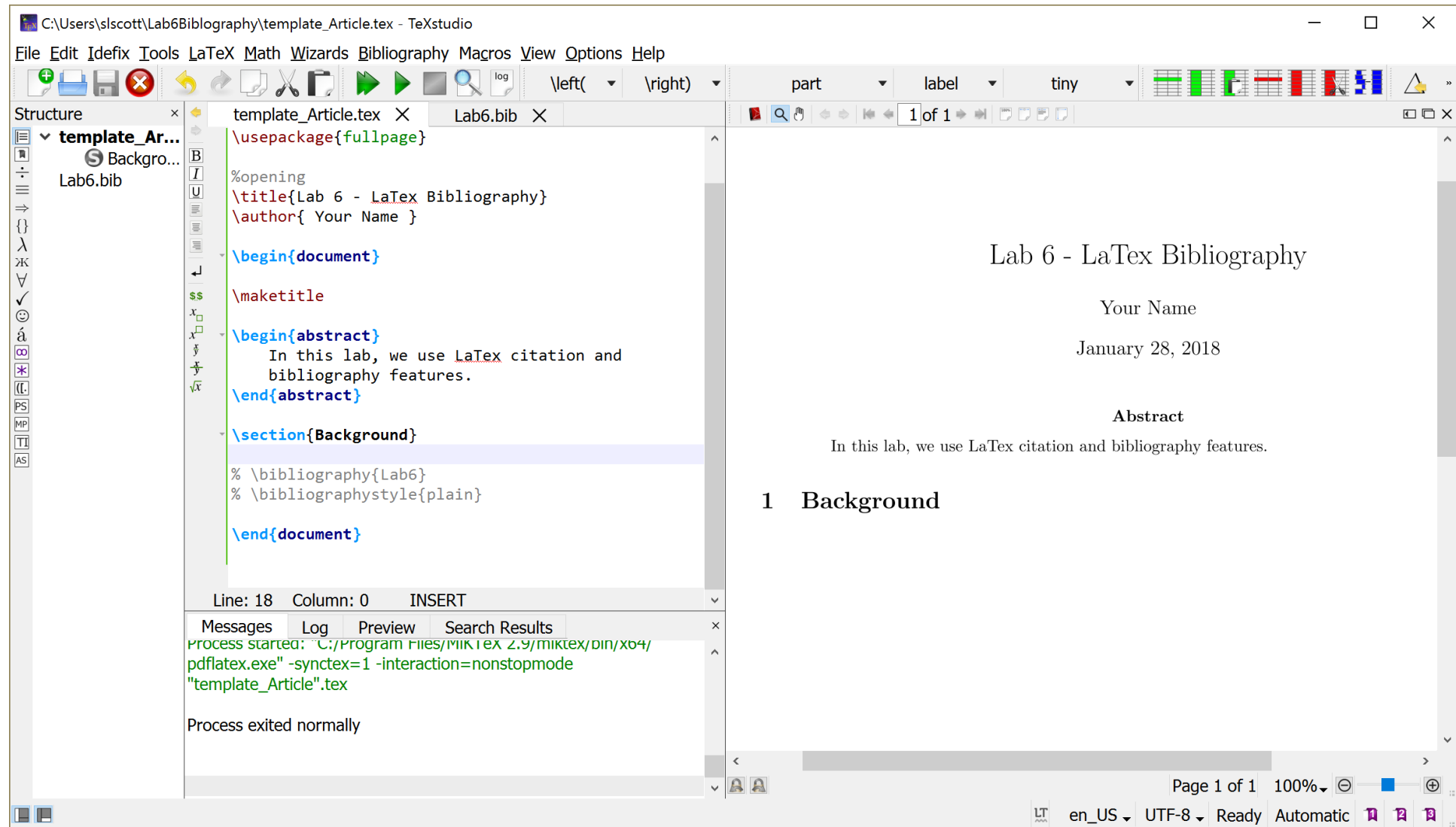
```
\section{Background}
```

```
% \bibliography{Lab6}
```

```
% \bibliographystyle{plain}
```

```
\end{ document }
```

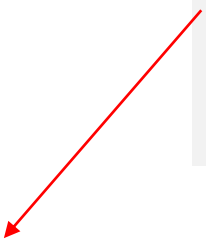
What it should look like



Citations in LaTeX - making the bib database

- You need to create a 'bib' file containing bibliographic entries formatted for BibTeX to process
- It may be any file name, but must have the ".bib" extension

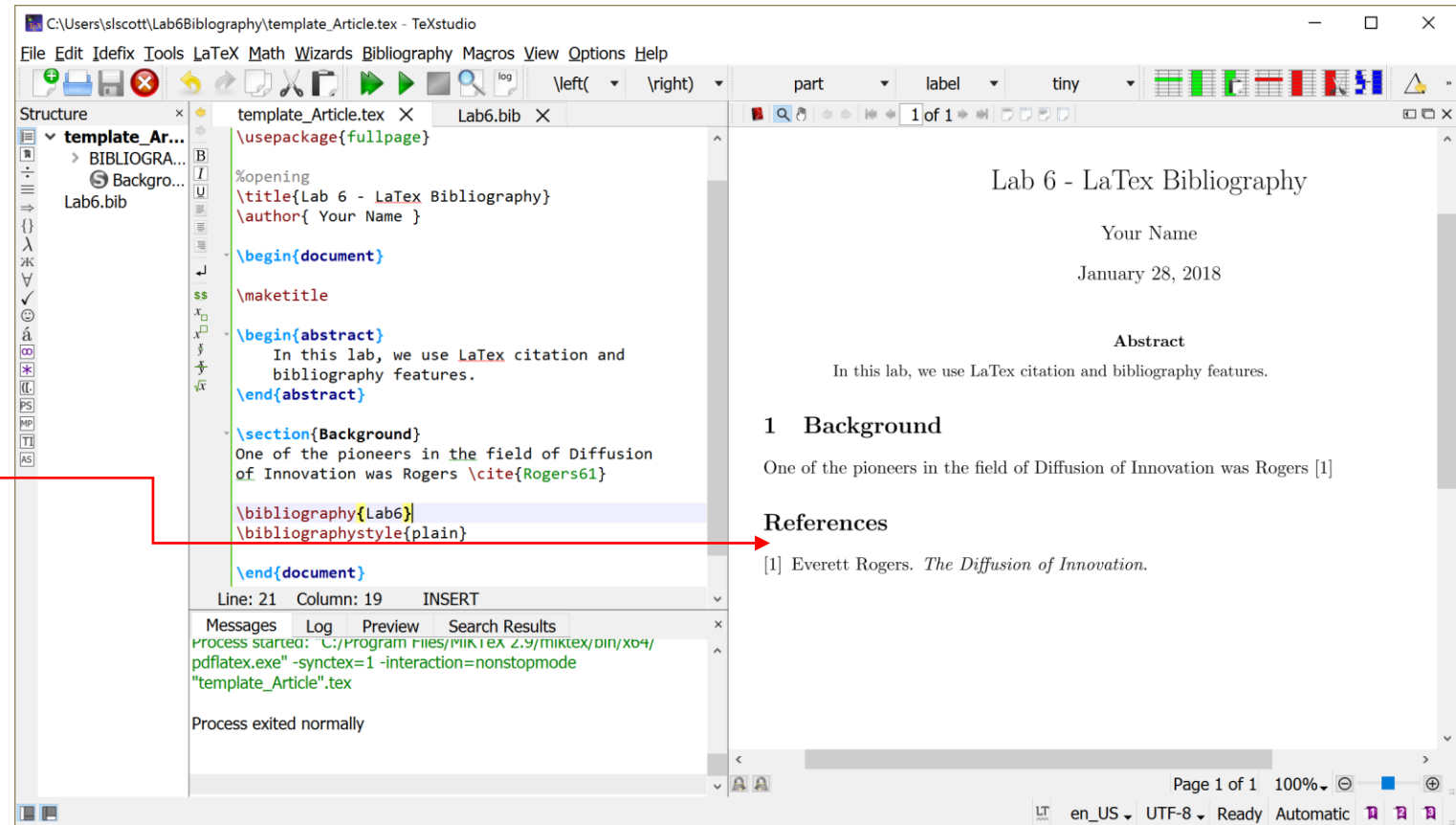
- On the TexStudio menu bar, click on File-> New
- create a new file (default name is untitled.txt)
- in the new file, now click on the TexStudio menu bar for "Bibliography", and select "Book"
- A bunch of text will appear. Delete all the text starting with the token "OPT"
- Fill in the author, title, and date as indicated
- replace ID with "Rogers61"
- Save the file with the name "Lab6.bib"



```
@book{Rogers61,  
  author = {Everett Rogers},  
  title = {The Diffusion of Innovation},  
  date = {1961}  
}
```

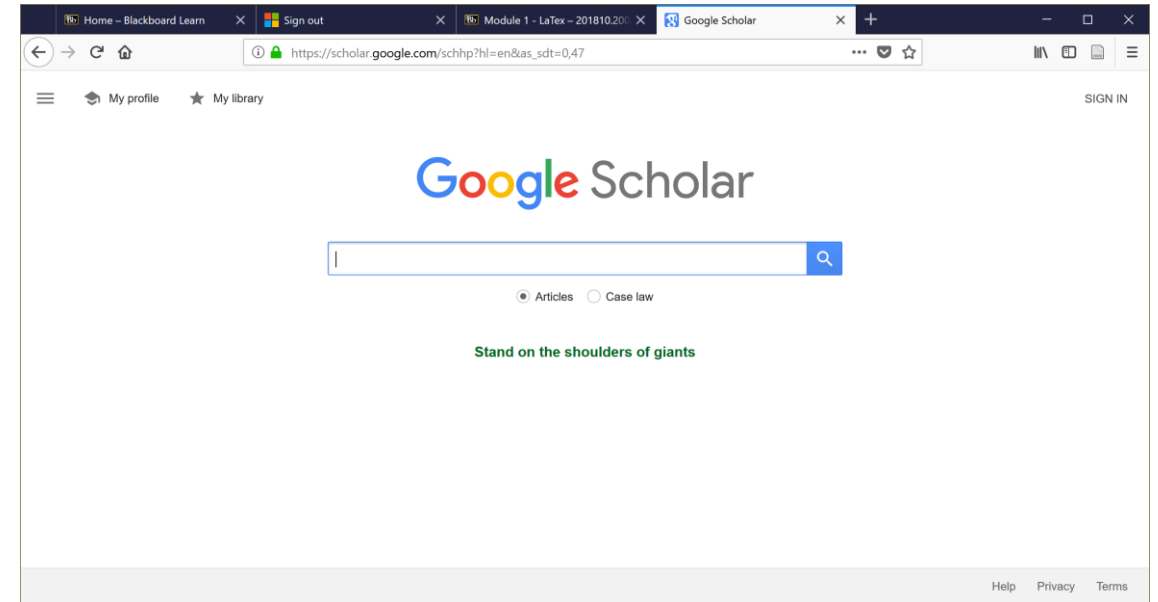
Citations in LaTeX - making the citation

- Uncomment the `\bibliography` and `\bibliographystyle` commands
- Press Build and View
- You should now have a new section titled "References" at the bottom, and it should have one entry for Rogers (1961).



Adding to our BibTex database

- It's OK to add text manually to your BibTex database, but it can be labor intensive and error prone.
 - You can cut/paste BibTex entries from online reference repositories
 - Let's try this for our assigned journal papers...
- go to Google Scholar, and find the entry for the following papers:

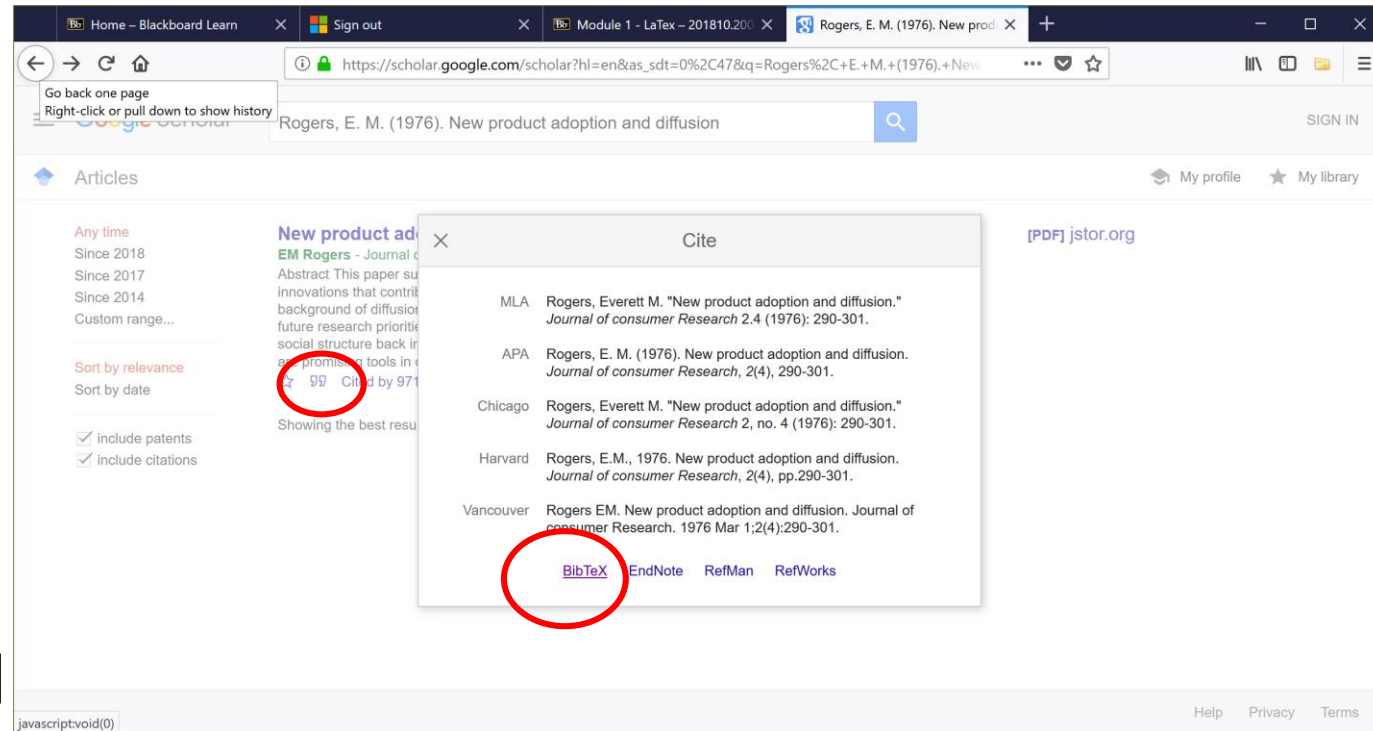


Robertson, T. S. (1967). The process of innovation and the diffusion of innovation. *The Journal of Marketing*, 14-19.

Rogers, E. M. (1976). New product adoption and diffusion. *Journal of consumer Research*, 2(4), 290-301.

Using Google Scholar for BibTex Citations

- Find the paper
- Click on the double quotes mark "
- click on the BibTex option at the bottom of the screen
- Scholar will open up a web page with the BibTex citation
- Copy this citation to your clipboard
- Open your Lab6.bib file in TexStudio
- Paste the citation into the bib file



Your Bib file

- Adjust the tag names to suit your style
 - I prefer AuthorYY
- You may also need to do some minor cleanup
- Your completed bib file should look like this:

```
@book{Rogers61,  
    author = {Everett Rogers},  
    title = {The Diffusion of Innovation},  
    date = {1961}  
}  
@article{Robertson67,  
    title={The process of innovation and the diffusion of innovation},  
    author={Robertson, Thomas S},  
    journal={The Journal of Marketing},  
    pages={14--19},  
    year={1967},  
    publisher={JSTOR}  
}  
@article{Rogers76,  
    title={New product adoption and diffusion},  
    author={Rogers, Everett M},  
    journal={Journal of consumer Research},  
    volume={2},  
    number={4},  
    pages={290--301},  
    year={1976},  
    publisher={The University of Chicago Press}  
}
```

Next steps

- go back to TexStudio, and build/view again
- this recompiles the bib file using the new entries
- Add some additional text and `\cite` commands, bringing in the new citations we just added
- build/view again to regenerate the bibliography

```
\section{Background}
```

One of the pioneers in the field of Diffusion of Innovation was Rogers `\cite{Rogers61}`. Later work in the field included Robertson, `\cite{Robertson67}`, and Rogers as well `\cite{Rogers76}`.

```
\bibliography{Lab6}
```

```
\bibliographystyle{plain}
```

Here's what it should look like

The screenshot displays the TeXstudio interface with the following components:

- Structure Panel:** Shows the document structure with sections like `BIBLIOGRAPHY`, `Background`, and `References`.
- Editor:** Contains the LaTeX source code for `template_Article.tex`. The code includes:
 - `\title{Lab 6 - LaTeX Bibliography}`
 - `\author{Your Name}`
 - `\begin{document}`
 - `\maketitle`
 - `\begin{abstract}` block with the text: "In this lab, we use LaTeX citation and bibliography features."
 - `\end{abstract}`
 - `\section{Background}` section with text: "One of the pioneers in the field of Diffusion of Innovation was Rogers \cite{Rogers61}. Later work in the field included Robertson, \cite{Robertson67}, and Rogers as well \cite{Rogers76}."
 - `\bibliography{Lab6}` and `\bibliographystyle{plain}`
 - `\end{document}`
- Messages Panel:** Shows the output of the compilation process, including `pdflatex.exe -synctex=1 -interaction=nonstopmode "template_Article".tex` and the message "Process exited normally".
- Preview Panel:** Displays the rendered PDF output, which includes:
 - Title: Lab 6 - LaTeX Bibliography
 - Author: Your Name
 - Date: January 28, 2018
 - Section: Abstract
 - Text: In this lab, we use LaTeX citation and bibliography features.
 - Section: 1 Background
 - Text: One of the pioneers in the field of Diffusion of Innovation was Rogers [2]. Later work included Robertson, [1], and Rogers as well [3].
 - Section: References
 - List of references:
 - [1] Thomas S Robertson. The process of innovation and the diffusion of innovation. *of Marketing*, pages 14–19, 1967.
 - [2] Everett Rogers. *The Diffusion of Innovation*.
 - [3] Everett M Rogers. New product adoption and diffusion. *Journal of consum* 2(4):290–301, 1976.

Bibliography summary

- LaTeX provides a full featured bibliography and citation system
- The BibTeX system manages compiling bibliography entries from a text .bib file
- Citations are made using the `\cite` command
- Bibliographies are generated using the `\bibliography` command