```
\documentclass[a4paper]{article}

every time I go through a point i add the packages
\usepackage[english]{babel}
\usepackage[utf8]{inputenc}
\usepackage{amsmath}
\usepackage{graphicx}

\title{Demo Article}

\author{Nadra Guizani}

\date{\today}

\begin{document}
\maketitle
PAUSE
\begin{abstract}
Your abstract.
\end{abstract}
PAUSE
\section{Introduction}

Your introduction goes here! Some examples of commonly used commands and features are listed below, to help you get started. If you have a question, please use the help menu (``?'') on the top bar to search for help or ask us a question.
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\section{How to Include Figures}
add use package for use text \usepackage{graphicx}
First you have to upload the image file (JPEG, PNG or PDF) from your computer to writeLaTeX using the upload link the project menu. Then use the includegraphics command to include it in your document. Use the figure environment and the caption command to add a number and a caption to your figure. See the code for Figure \ref{fig:frog} in this section for an example.

\begin{figure}
\centering
\includegraphics[width=0.3\textwidth]{frog.jpg}
\caption{\label{fig:frog}This frog was uploaded to writeLaTeX via the project menu.}
\end{figure}

\section{How to Make Tables}
```

look into the website http://www.tablesgenerator.com/

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Use the table and tabular commands for basic tables --- see Table~\ref{tab:widgets}, for example.

```
\begin{table}
\centering
\begin{tabular}{l|r}
Item & Quantity \\\hline
Widgets & 42 \\
Gadgets & 13
\end{tabular}
\caption{\label{tab:widgets}An example table.}
\end{table}
```

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```
\section{How to Write Mathematics}
```

look into the website http://www.hostmath.com/

add use package for use text `\usepackage{amsmath}`

```
\LaTeX{} is great at typesetting mathematics. Let $X_1, X_2, \ldots, X_n$ be a sequence of
independent and identically distributed random variables with $\text{E}[X_i] = \mu$ and
$\text{Var}[X_i] = \sigma^2 < \infty$, and let
$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n}
      = \frac{1}{n}\sum_{i}^{n} X_i$$
denote their mean. Then as $n$ approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$
converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.
```

Talk about numbered equations

```
\section{How to Make Sections and Subsections}
\subsection{How to Make Lists}
```

You can make lists with automatic numbering \dots

```
\begin{enumerate}
\item Like this,
\item and like this.
\end{enumerate}
```

Custom numerals, sub lists

```
\subsection{How to Make itemized}
```

```
\begin{itemize}
\item Like this,
\item and like this.
\end{itemize}

\begin{description}
\item[Word] Definition
\item[Concept] Explanation
\item[Idea] Text
\end{description}

We hope you find write\LaTeX\ useful, and please let us know if you have any feedback using the help menu above.


\bibliography{library}
\bibliographystyle{apalike}


\end{document}
```