

# Solutions - Latex Code for Compilation

InfPALS

February 2022

## 1 Document

```
\documentclass{article}
\usepackage[utf8]{inputenc}
\usepackage{graphicx}
\usepackage{caption}
\usepackage{amsmath}
\usepackage{pgfplots}
\usepackage[section]{placeins}

\title{Solutions - Latex Document}
\author{InfPALS}
\date{February 2022}

\begin{document}

\maketitle

\section{Text}
A \large very \Large very \LARGE tiny \normalsize
\textbf{\uppercase{chicken}} \textit{ate} \small very
\tiny big \normalsize \underline{worm}.

\section{Lists}
Example list of things I like:
\begin{itemize}
  \item InfPALS
  \item Computer Science
  \item Edinburgh
\end{itemize}
\\
Example list of Starter Pack for Computer Scientist:
\begin{enumerate}
  \item Stack Overflow
  \item Appleton Tower
```

```

\item No sleep
\end{enumerate}

\section{Table}
Table of Informatics courses:
\begin{center}
\begin{tabular}{||c c c||}
\hline
Course & Your Rating & Year\\
\hline
Introduction to Computation & 5 & 1 \\
Object Oriented Programming & 5 & 1 \\
\hline
\end{tabular}
\end{center}

\newpage

\section{Images}

\nopagebreak

\begin{figure}[!htb]
\centering
\begin{minipage}{.5\textwidth}
\centering
\includegraphics[width=0.5\linewidth, height=0.25\textheight]{Superman.jpg}
\caption*{(a) Me}
\end{minipage}%
\begin{minipage}{0.5\textwidth}
\centering
\includegraphics[width=0.5\linewidth, height=0.25\textheight]{Lambda_Man.jpg}
\caption*{(b) The guy she tells me not to worry about}
\end{minipage}
\end{figure}

\section{Equations and Plots}

Equation:
\begin{align*}
F(y) &= \int_{-\infty}^y \frac{1}{\sqrt{2\pi} \sigma^2} \\
&\quad e^{-\frac{(x-\mu)^2}{2\sigma^2}} dx
\end{align*}
\\
Plot:
\begin{figure}[!htb]

```

```

\centering
\begin{tikzpicture}
  \begin{axis}[ xlabel = x, ylabel=y]
    \addplot[color=red,mark=x]
      coordinates {(-4,8) (4,4)};
  \end{axis}
\end{tikzpicture}
\end{figure}

\section{Bibliography}
"InfPALS are the bestest, you know ;)." \cite{reference}

\bibliographystyle{alpha}
\bibliography{sample}
\end{document}

```

## 2 Presentation

```

\documentclass{beamer}
\usepackage{caption}

\title{Example Presentaion / Solution Presentation}
\author{InfPALS}
\institute{University of Edinburgh}
\date{\today}

\begin{document}

  \begin{frame}
    \titlepage
  \end{frame}

  \begin{frame}{3 Top Tourist Destinations in Edinburgh}
    Example list of top attractions in Edinburgh:
    \begin{enumerate}
      \item Edinburgh Castle
      \item Palace of Holyroodhouse
      \item Royal Mile
    \end{enumerate}
  \end{frame}

  \begin{frame}{Calton Hill}
    \begin{figure}
      \centering
      \includegraphics[width=1\linewidth, height=0.5\textheight]

```

```
        {Calton_Hill.jpeg}  
        \caption*{Calton Hill}  
    \end{figure}  
\end{frame}  
  
\end{document}
```