The LaTeX Examination
Cheet-Sheet

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1 Create the header

```latex
\documentclass{article}

% Language setting
\usepackage[english]{babel}    % define document language

% Set page size and margins
\usepackage[a4paper,top=2cm,bottom=2cm,left=3cm,right=3cm,marginparwidth=1.75cm]{geometry}

% Useful packages
\usepackage{amsmath}
\usepackage{graphicx}
\usepackage[colorlinks=true, Test allcolors=blue]{hyperref}

The \LaTeX{} Examination Cheet-Sheet
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\begin{document}
\maketitle
\section{Create the header}
```
Code 1: Header

2 Sections with number

2.1 Subsection with number

2.1.1 Subsubsection with number

Section without a number

Subsection without a number

Subsubsection without a number

```latex
\section{Sections with number}
\subsection{Subsection with number}
\subsubsection{Subsubsection with number}
\paragraph{}
\section*{Section without a number}
\subsection*{Subsection without a number}
\subsubsection*{Subsubsection without a number}
```
Code 2: Sections

3 Text formation

3.1 Style

You can write your text **boldic**, *italic*, *emphasized*, <u>underlined</u>, or in `teletype` style

3.2 Lists

3.2.1 Item list

- This is an item in an itemize list.

- This is another item

```
1  \begin{itemize}
2      \item This is an item in an itemize list.
3      \item This is another item
4  \end{itemize}
```

3.2.2 Nummbered list

1. fist

2. second

```
1  \begin{enumerate}
2      \item fist
3      \item second
4  \end{enumerate}
```

3.2.3 Description

Step 1 Do something

Step 2 And then do something else

```
1  \begin{description}
2      \item[Step 1] Do something
3      \item[Step 2] And then do something else
4  \end{description}
```

3.2.4 "empty" description

Just text,

no präfix.

```
1  \begin{description}
2      \item Just text,
3      \item no prefix.
4  \end{description}
```

3.3 Tables

Objects like tables are floating inside the document (LATEX defines it's position automatically). If you want to force a specific location for your object, you can set a paremeter in [ ]:

```
1      \begin{table}[<parameter>]
```

h = „here"

t = „top"

b = „bottom"

Name	Species	Age
Alice	Alligator	5
Bob	Beaver	3

Table 1: An example table.

p = „page"

```
1  \begin{table}[h]
2  \centering
3  \begin{tabular}{|l|c|r|}
4   \hline
5   Name & Species & Age \\
6   \hline
7   Alice & Alligator & 5 \\
8   Bob & Beaver & 3 \\
9   \hline
10  \end{tabular}
11  \caption{\label{tab:widgets}An example table.}
12  \end{table}
13
```

Item	Quantity
Widgets	42
Gadgets	13

Table 2: And another table.

```
1  \begin{table}[h]
2  \centering
3  \begin{tabular}{l|r}
4  Item & Quantity \\\hline
5  Widgets & 42 \\
6  Gadgets & 13
7  \end{tabular}
8  \caption{\label{tab:widgets}And another table.}
9  \end{table}
```