

```
1 \documentclass[] {article}
.
. \title{This is AEEC Class}
. \author{Students}
- \date{}
.
. \begin{document}
.
. %----- To create title-----
10 % \title, \author, \date to be defined before \begin{document}.
\maketitle
.
. %----- To list-----
. \textbullet Make a list:
- \begin{enumerate}
. \item This is AEEC class.
. \item The equation to solve is  $y' = f(x,y) =$ 
. \frac{x^{10}}{(T_{constant})!}$. % write an equation
. within a sentence.
. \item Submit the file as soon possible.
. \item  $e^{i\theta} = \cos(x) + i \sin(x)$ 
20 $
\end{enumerate}
.
. %-----to print table-----
. \textbullet The given table is:\\
- \begin{tabular}{|c|c|c|}
. \hline
. % after \\: \hline or \cline{col1-col2} \cline{col3-col4} ...
. S.No. & color &  $x$ \\
. \hline \hline
30 1 & red &  $p$  \\
. 2 & green &  $q$  \\
. \hline
. 3 & blue &  $r$ \\
. \hline
- \end{tabular}
. \\
. % to write an equation
. \textbullet The Series generate using equation between  $\$$ \\$
sign, without equation number
. \\
40 $$ f(x) = f(0) + x \big[\frac{df(x)}{dx}\big]_0 + \frac{1}{2!}
x^2 \big[\frac{d^2f(x)}{dx^2}\big]_0 + \frac{1}{3!} x^3
\big[\frac{d^3f(x)}{dx^3}\big]_0 $$
```

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43 OR
. \\
- \textbullet The Series generate using equation between 'begin
. and end equation' puts equation number.
. \begin{equation}
. f(x) = f(0) + x \big[\frac{df(x)}{dx}\big]_0 + \frac{1}{2!}
. x^2 \big[\frac{d^2f(x)}{dx^2}\big]_0 + \frac{1}{3!} x^3
. \big[\frac{d^3f(x)}{dx^3}\big]_0
. \end{equation}
.
50
.
. \end{document}
```