THASSIM BEEVI ABDUL KADER COLLEGE FOR WOMEN

A Minority Institution Sponsored by Seethakathi Trust, Chennai
(An Autonomous Institution Affiliated to Alagappa University, Karaikudi)
(Accredited by NAAC with 'A' Grade (CGPA: 3.16) & ISO 9001: 2015 Certified Institution)
Recognized by UGC with 2(f) &12(B)
Kilakarai-623517 Ramanathapuram District, Tamil Nadu.

REGISTER NUMBER : 23CLT007

NAME : R. AISHWARYA

CLASS : II Bsc MATHEMATICS

SUBJECT CODE : HCLT2P

SUBJECT NAME : PICTURES AND COLORS LAB

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Kilakarai-623517 Ramanathapuram District, Tamil Nadu.

Certified as a bonafied record of the candidate with register number

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Staff-in-Charge

Submitted for the semester Examination held in Thassim Beevi Abdul Kader College for Women, Kilakarai.

22/6/23

INTERNAL EXAMINER

22/06/2023

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5/06/2023

Input File

Aim :

To write a LATEX program to create a document using "Input file".

Algorithm :

Step 1 : Create a new document and start the program

Step 2 : Type the commands "\documentclass" and "\begin{document}" with "\end{document}".

Step 3 : Type the text message

Step 4 : Save the file "new.tex" and compile the program

Step 5 : Delete all the program codings except the text message.

Step 6 : Create another new document

Step 7 : Include the previous message in "new.1.tex" document and type "\input{new.tex}"

Step 8 : Save the file and compile the program

Step 9 : Run the program

Result :

Thus the program is successfully completed.

```
\documentclass[12pt]{article}
\begin{document}
\begin{center}
\textbf{CUBE}
\end{center}
\indent The cube is the only regular hexahedron and is one of the five
Platonic solids. It has 6
faces, 12 edges, and 8 vertices.
\input{INPUT1.tex}
\end{document}
```

CUBE

The cube is the only regular hexahedron and is one of the five Platonic solids. It has 6 faces, 12 edges, and 8 vertices.

The cube is also a square parallelepiped, an equilateral cuboid and a right rhombohedron a 3-zonohedron. It is a regular square prism in three orientations, and a trigonal trapezohedron in four orientations.

The cube is also a square parallel piped, an equilateral cuboid and a right rhombohedron a 3-zonohedr on. It is a regular square prism in three orientations, and a trigonal trapezohedron in four orientations.

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Kilakarai-623517 Ramanathapuram District, Tamil Nadu.

REGISTER NUMBER : 23CCLT006

NAME : M.AGALYA

CLASS : II BSC COMPUTER SCIENCE

SUBJECT CODE : HCLT2P

SUBJECT NAME : PICTURES AND COLORS LAB

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Certified as a bonafied record of the candidate with register number

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R Jacinta
Staff-in-Charge

Submitted for the semester Examination held in Thassim Beevi Abdul Kader College for Women, Kilakarai.

ATL 22/6/23
INTERNAL EXAMINER

R Jacinta
EXTERNAL EXAMINER

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```
\documentclass[12pt]{article}
\begin{document}
\begin{center}
CHOCOLATE
\end{center}
\indent``\textbf{CHOCOLATE} is a food made from roasted and ground
cacao seed kernels that is available as a liquid, solid, or paste,
 either on its own or as a flavoring agent in other foods. Cacao has
been consumed in some form since at least the Olmec civilization".
\begin{flushright}
\--Einsten
\end{flushright}
\end{document}
```

CHOCOLATE

"**CHOCOLATE** is a food made from roasted and ground cacao seed kernels that is available as a liquid, solid, or paste, either on its own or as a flavoring agent in other foods. Cacao has been consumed in some form since at least the Olmec civilization".

-Einsten

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REGISTER NUMBER : 23CCLT005

NAME : R. AFRIN

CLASS : II BSC, MICROBIOLOGY

SUBJECT CODE : HCLT&P

SUBJECT NAME : PICTURES AND COLORS LAB

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INTERNAL EXAMINER

EXTERNAL EXAMINER

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Ex. No : 15

14.6.23

COLORS

Aim :

To write a LaTeX program to create a document using colors.

Algorithm :

Step 1 : Create a new document and start the program

Step 2 : Type the commands "\documentclass" and "\begin{document}" with "\end{document}

Step 3 : Type the commands "\usepackage{xcolor}" and "\color{}

Step 4 : Enter the colour of the favourable Colours and types the text message.

Step 5 : Save the file and complie the program

Step 6 : Run the program

Result :

Hence the program is successfully Completed

```
\documentclass[12pt]{article}
\usepackage{x color}
\begin{document}
\begin{center}
DEPARTMENT OF MICROBIOLOGY
\end{center}
\color {blue}{ History of Microbiology}\\
\color{violet}{Structure of Microscope}\\
\color{green}{lab course in MB}
\end{document}
```

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Kilakarai-623517 Ramanathapuram District, Tamil Nadu.

REGISTER NUMBER : 23CCLT021

NAME : Y. KANUSIYA BANU

CLASS : II BSc MATHEMATICS

SUBJECT CODE : HCLT2P

SUBJECT NAME : PICTURES AND COLORS

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R. Jasmine
Staff-in-Charge

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INTERNAL EXAMINER

R. Jasmine

EXTERNAL EXAMINER

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14.	12/06/23	Pictures	83	
15.	14/06/23	colors	89	
16.	14/06/23	Basic of the Math Index	95	
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22.	17/06/23	Boxes	133	
23.	19/06/23	Graphics package	139	

```
\documentclass[12pt]{article}
\begin{document}
\begin{equation}
(a+b+c)^2=a^2+b^2+c^2+2ab+2bc+2ca
\end{equation}
\begin{equation}
(a-b-c)^2=a^2+b^2+c^2-2ab+2bc-2ca
\end{equation}
\end{document}
```

$$(a+b+c)^2 = a^2+b^2+c^2+2ab+2bc+2ca \tag{1}$$

$$(a-b-c)^2 = a^2+b^2+c^2-2ab+2bc-2ca \tag{2}$$

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Kilakarai-623517 Ramanathapuram District, Tamil Nadu.

REGISTER NUMBER : 23CCLT020

NAME : P. KANIGA

CLASS : II BSC MATHEMATICS

SUBJECT CODE : HCLT2P

SUBJECT NAME : PICTURES AND COLORS LAB

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INTERNAL EXAMINER

EXTERNAL EXAMINER

Ex No: 4	Sectioning Commands
6/6/23	

Aim:

To write a LATEX program to create a document using "sectioning commands".

Algorithm:

* Create a newdocument and start the program.
* Type the command "\documentclass[12pt]{article}" and "\begin{document}" with "\end{document}".
* Type the "sectioning commands" for making the sections and subsections in the text message.
* Save the file and compile the program.
* Run the program.

Result:

Thus the program is succesfully Completed.

```
\documentclass[12pt]{book}
\begin{document}
\chapter{Calculus}
\section{Differentiation}
\subsection{Integration}
\subsection{Partial integration}
\chapter{Set theory}
\section{Funtions}
\subsection{Domain}
\subsection{Co domain}
\subsection{Range}
\end{document}
```

Chapter 1

Calculus

1.1 Differentiation

1.1.1 Integration

1.1.2 Partial integration