

Chirayu Trivedi

0801cs221045

Latex for mini project programming practices:-

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\documentclass{article}
\usepackage[english]{babel}
\usepackage[letterpaper,top=2cm,bottom=2cm,left=3cm,right=3cm,marginparwidth=1.75cm]
{geometry}
\usepackage{amsmath}
\usepackage{graphicx}
\usepackage[colorlinks=true, allcolors=blue]{hyperref}
\title{PROGRAMMING PRACTICES(MINI PROJECT)}
\author{CHIRAYU TRIVEDI}
\begin{document}
\maketitle
\section{Introduction}
I build a simple program for Student Information Management System which can perform the
following operations:
\begin{enumerate}
\item Store the First name of the student.
\item Store the Last name of the student
\item Store the unique Roll number for every student.
\item Store the courses registered by the student.
\end{enumerate}
\section{Approach}
The idea is to form an individual functions for every operation. All the functions are unified
together to form software.
\begin{enumerate}
\item Add Student Details: Get data from user and add a student to the list of students. While
adding the students into the list, check for the uniqueness of the roll number.
\item Find the student by the given roll number: This function is to find the student record for the
given roll number and print the details.
\item Find the student by the given first name: This function is to find all the students with the
given first name and print their details.
\item Count of Students: This function is to print the total number of students in the system
\item Delete a student: This function is to delete the student record for the given roll number.
\item Update Student: This function is to update the student records. This function does not ask
for new details for all fields but the user should be able to pick and choose what he wants to
update.
\end{enumerate}
\section{Output}

\begin{figure}
\centering
\includegraphics[width=0.5\linewidth]{1 add.png}
\caption{output 1}
\label{ig:enter-label}
\end{figure}

\begin{figure}
\centering
\includegraphics[width=0.5\linewidth]{2 find roll.png}
\caption{output 2}
\label{fig:enter-label}
\end{figure}

\begin{figure}
\centering
\includegraphics[width=0.5\linewidth]{3 find name.png}
\caption{output 3}
\label{fig:enter-label}
\end{figure}
```

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```
\begin{figure}
  \centering
  \includegraphics[width=0.5\linewidth]{4 total.png}
  \caption{output 4}
  \label{fig:enter-label}
\end{figure}
\begin{figure}
  \centering
  \includegraphics[width=0.5\linewidth]{5 delete.png}
  \caption{output 5}
  \label{fig:enter-label}
\end{figure}
\begin{figure}
  \centering
  \includegraphics[width=0.5\linewidth]{6 upgrade.png}
  \caption{output 6}
  \label{fig:enter-label}
\end{figure}
\end{document}
```