Assignment 1

Q1. Write a menu driven program for Date in a C and CPP language.

Declare a structure Date having data members day, month, year. Implement the following functions.

```
void initDate(struct Date* ptrDate);
void printDateOnConsole(struct Date* ptrDate);
void acceptDateFromConsole(struct Date* ptrDate);
```

Q2. Write a menu driven program for Date in a CPP language using structure and also using class.

Date is having data members day, month, year. Implement the following functions.

```
void initDate(struct Date* ptrDate);
void printDateOnConsole(struct Date* ptrDate);
void acceptDateFromConsole(struct Date* ptrDate);
bool isLeapYear();
```

Q3. Write a menu driven program for Student in CPP language.

Create a class student with data members roll no, name and marks. Implement the following functions

```
void initStudent(struct Student* ptrStudent);
void printStudentOnConsole(struct Student * ptrStudent);
void acceptStudentFromConsole(struct Student * ptrStudent);
```