

IP MID TERM LAB ASSIGNMENT SPRING 2021-2022

*Answer the following questions. Total Marks: 30. Each question carries 10 marks.

***Deadline: 9:59 PM, 15 March 2022 ***No LATE SUBMISSION**

Solve the followings –

1. Take the input of the birth year from the users. Initialize the current year as current_year=2022. Now, you have to Count the number of Leap Years observed from that birth year to the current year.
(Hint: Initialize a variable count =0, if the leap year condition is found in the loop, increment count as count++. Then print the count variable out of the loop body. Condition of leap year should be checked inside loop).
2. Take the input of 5 peoples' age into an array. Next print the average age in float (type cast). At the end, determine the total age of the 5 people are even or odd.
3. Write a program that will ask the user to start the system by entering **Y**. When the user press **N**, the program shows "closes". When the program is running, it asks the user to select an option from the menu.

Options are:

- + Add two float numbers after taking inputs from the user
- Subtraction between two float numbers taking inputs from the user
- * Multiplication between two float numbers taking inputs from the user
- / Division between two float numbers taking inputs from the user

Apart from option 1-4, the program shows "Invalid Operator".

The assignment must contain a cover page with your NAME, ID, COURSE NAME and SECTION. After solving the problems-

1. Submit the CPP files and screenshots of the outputs through MS Teams as assignment submission
-> TURN IN