

Lab Assignment 2

Note:

I. Use scanner class for taking input from user.

1. Write a program to find out the number of days in a month using switch-case. Month number and year is taken as input through keyboard.
2. Write a program to calculate the grade of a student. There are five subjects. Marks in each subject are entered from keyboard. Assign grade based on the following rule: (using if-else-if control statement).

Total Marks ≥ 90	Grade: Ex
$90 > \text{Total Marks} \geq 80$	Grade: A
$80 > \text{Total Marks} \geq 70$	Grade: B
$70 > \text{Total Marks} \geq 60$	Grade: C
$60 > \text{Total Marks}$	Grade: F

3. Write a menu-driven program for calculator that calculate the following operations using nested switch case.
 - a. Arithmetic operator (Addition, subtraction, division, multiplication)
 - b. Logical bitwise operators (&,|,~ and exclusive OR)
4. Write a program to remove duplicate elements in array without using any extra space (no new array).
5. Write a program to find inverse of 3 by 3 matrix and display it.