Assignment 2

If-Else Structure

Question # 1

Write a program that inputs marks and displays "Congratulations! You have passed", if marks are 40 or more.

Question # 2

Write a program that inputs two numbers and finds whether both are equal or not. If they are equal, then display "Both numbers are equal". Otherwise, display message as "Both numbers are not equal".

Question # 3

Write a program that inputs two numbers and finds if second number is square of first number.

Question # 4

Write a program that inputs marks of three subjects. If the average of marks is more than 80, then it displays two messages "You are above standard!" and "Admission granted".

Question # 4

Write a program to input a number and determine whether it is positive or negative number. If the number is positive, then display message as "Your number is positive". Otherwise, display message as "Your number is negative number".

Question # 5

Write a program that inputs a number and finds whether it is even or odd. If the number is even, then display message as "Even Number". Otherwise, display message as "Odd Number".

Question # 6

Write a program that inputs a year and finds whether it is a leap year or not.

Note: If the year is multiple of 4 (completely divided by 4), then it means that the year is called leap year.

Question # 7

Write a program that inputs salary and grade from user. The program will add 50% bonus into salary if the grade is greater than 15. The program will add 25% bonus into salary if the grade is 15 or less. After calculation of bonus, display final salary after addition of bonus into salary.

Question # 8

Write a program that inputs two integers. It determines and prints if the first integer is a multiple of second number (i.e., first number is completely divided by second number) or not. Display message as "Multiple", if first number is completely divided by second number. Otherwise, display message as "Not Multiple".

Question # 9

Write a program that inputs marks of a student and displays his/her grade according to following criteria.

Marks	Grade
More than 84.49	A+
From 79.5 to 84.49	A
From 74.5 to 79.49	B+
From 69.5 to 74.49	B
From 64.5 to 69.49	B-
From 59.5 to 64.49	C+
From 54.5 to 59.49	C-
From 49.5 to 54.49	D
Below 49.5	F

Question # 10

Write a program that inputs radius and a number (either 1 or 0) as user's choice. Calculated and display values according to following conditions.

- If user enters 1 in user's choice, then area of circle will be calculated and displayed.
- If user enters 0 in user's choice, then circumference of circle will be calculated and displayed.
- If user enter value other than 0 and 1 in user's choice, then display message as "You enter incorrect choice's number. Please enter correct number."

Question # 11

Write a program that inputs salary from user. Calculate and display final salary according to following conditions.

- If salary is 20000 or more, then the program will deduct 7% of salary.
- If salary is 10000 or more but less than 20000, then the program will deduct 1000 from the salary.
- If salary is less than 1000, the program will deduct nothing.