

**EXERCISES ON IF-ELSE-IF STATEMENT**

1. Program to accept your weight and if your **weight** is greater than 75 then computer will print the message “**You are Fat. Please go to health club.**”
2. Program to accept number from **1 to 4** and print message as per follow instruction
  1. Good Morning
  2. Good Noon
  3. Good Evening
  4. Good Night
  5. Invalid Number
3. Input 2 value & find out whether it is odd or even. [use mod() function]
4. Input 5 digit value & display whether last digit is 5 or not.[use mod() function]
5. Input number between 1 to 7 & display weak day name according to number.
6. Input the student result value & display the grade of the student. ['A','B','C','D',fail].
7. Write a program to read your age and if your age is greater than 65 then you are getting **50 %** discount in bus fare. Also if you are female than again you are getting **30 % discount**. At the end of program print discount and net bus fare (**Use nested if**)
8. Input 2 value & find out maximum value.
9. Input 3 value & find out maximum value.
10. Input 4 value & find out maximum value.
11. Input 5 value & find out maximum value.
12. Input 4 value & find out minimum value.
13. Input 3 value & sort it into ascending order.
14. Input 5 subject marks of students. display result of student whether pass or fail. If student is passed in each subject then display total, average & grade otherwise display an appropriate message.
15. Input 1 value & find out whether it is divided by 5 or not.
16. Input 1 value & find out whether it is divided by 5 and 10 or not..
17. Input 1 character value and determine whether it is alphabetic or not.
18. Input 1 character value & determine whether it is vowels or constant.
19. Input bill amount value. Calculate discount on amount. Display bill amount value & net amount value as per the following condition.

Amount	Discount
Between 1 to 5000	0%
Between 5001 to 15000	3%
Between 15001 to 30000	5%
More than 30001	10%

20. Input amount of salary & calculate and display tax amount and net salary & designation as per the following condition.

Salary	tax rate	Designation
Between 1 & 5000	0%	peon
Between 5001 & 10000	3%	clerk
Between 10001 & 25000	5%	asst manager
Between 25001 & 50000	7%	manager
More than 50001	10%	MD

**PROBLEMS ON SWITCH STATEMENT**

1. Program to accept value from 1 to 4 and print name of season.
  1. Winter
  2. Summer
  3. Rainy
  4. Invalid Number
2. Program to accept value from 1 to 5 and print name of any popular festivals of our country.
3. Program to implement the calculator and perform mathematical operation like addition, subtraction, multiplication and division. [use Integer data type].
4. Program to implement the calculator and perform mathematical operation like addition, subtraction, multiplication and division. [use float data type].

Write Following Exercises in your Journal

**3,4,5,8,9,10,19,20**

**PROBLEMS ON SWITCH STATEMENT: 2 and 3**