Flow Control_1

1. Write a C++ program to check whether the entered character is small, capital or a special character. (L)

2. C++ Program to take a value from the user as input the basic salary of an employee and calculate its Gross salary according to the following: Basic Salary <= 10000: HRA = 20%, DA = 80%………………………………..Basic Salary <= 20000 : HRA = 25%, DA = 90%………………………………Basic Salary > 20000 : HRA = 30%, DA = 95%.

3. Using the if-else C++ Program to take a value from the user as input electricity unit charges and calculate total electricity bill according to the given condition: For the first 50 units Rs. 0.50/unit………….For the next 100 units Rs. 0.75/unit…..For the next 100 units Rs. 1.20/unit ……………For unit above 250 Rs. 1.50/unit………An additional surcharge of 20% is added to the bill…….Using if-else. (L)

4. C++ Program to take a value from the user as input the angles of a triangle and check whether the triangle is valid or not by using the if-else statement.

5. C++ Program to check whether a year is a leap year or not by using an if-else statement. (L)

6. Write a C++ program in which a user enters a number, and the program will find the Even and odd number. Your program should only accept integers of length 2 or higher and should ask the user to re-enter a value if the value containing total numbers of integers less than 2. The program with goto statement.

7. Program to take the hours and minutes as input by the user and the show that whether it is AM or PM using if-else statement

8. Using switch statement Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following: (L)
   Percentage >= 90% : Grade A
   Percentage >= 80% : Grade B
   Percentage >= 70% : Grade C
   Percentage >= 60% : Grade D
   Percentage >= 40% : Grade E
   Percentage < 40% : Grade F

9. Program to convert a positive number into negative number and negative number into a positive number using switch statement

10. C++ Program to take the value from the user as input the month number and print number of days in that month. Using switch statement