

## **C Programming**

### **Assignment 2 - Control Structures (Basic)**

#### **If statement, nested if, multiple or if else ladder & Switch**

1. Accept a number & check whether the number is greater than 100.
2. Accept an age & check u can eligible for vote or not.
3. Accept the number and check whether the number is positive or negative.
4. Accept the number and check whether the number is odd or even.
5. Accept the alphabets and check whether it is uppercase or lowercase.
6. Accept the number and check whether the number is divisible by 7 & 5.
7. Accept the alphabets and check whether it is vowel or vowel not.
8. Any year is input through the keyboard and check whether the year is Leap or not.
9. Accept the number and check whether it is 2 digit number or one digit number & display Appropriate message.
10. Accept 3 numbers & print the biggest & smallest of the 3 numbers.
11. Accept age of person & print message a follows.

Age 12:"still a child"

Age 21:"enjoy life teenagers"

Age<40:"you are responsible adult"

Age<70:"respected senior citizen"

Age<90:"Enough on earth, better to check out"

Also check whether the user enters a negative age.

12. If the three sides of a triangle are entered through the keyboard, write a program to check Whether the triangle is isosceles, equilateral, scalene or right angled triangle.
13. Accept a stream (science, arts) from the user & print the subjects (using switch).
14. Write a menu driven program (using switch) which has following options
  1. Positive or Negative
  2. Odd or Even