Assignment - 4

```
1
        // Given number is positive on not:
        #include < Stdion>
          int main ()
            int x:
            print ("It ENTER MMBR:");
            sconf (" 1,d", &x);
             il (x70)
              { printf ("In Positive");
             else
              ( if (x<0)
                { print { ("In NEGATIVE ) ; }
                else
                                                    OUTPUT WINDOW
                  print( "0");
                                                     x = 5
             retuin 0;
                                                      POSITIVE.
(2)
     Il Griven number is odd or even:
      #include < stdio.h>
      int main ()
      ( moint x;
           print (" ENTER NMBR:");
           scanf ("1d", fx);
           if (xx2 ==0)
           { printl ("EVEN");
                                              OUTPUT WINDOW
           else
             print ("ODD");
                                                 x = 1
          return 0;
                                                -) ODD
```

```
63).
     11 Find Largest Among two given numbers:
       #include < stdio+ >
        int main ()
          int 0,6;
          Print (" ENTER TWO NUMBERS:");
           scan( (" 1212", fa, fb);
          il (07 b)
           1 printl (" Lorget : 1.d", a);
          else
                                                 OUTPUT WINDOW
           ( print (" Lorget : ", d", b) ;
                                                     a=5 , b= 3
           1
                                                  > Longet is 5
         return 0 ;
     Il Given number is divisible by 7 or not:
69
       #include <stdioins
        int main ()
       1
          int x;
          print ( "Enter nmbr: ");
          scont ( " 1.8", (x);
          if (x %7==0)
          f
             print (" yes! Divisible");
                                               OUT PUT WINDOW
          else
          { print[ " Not Divisible" );
                                                    x = 14
                                                a Yes! Divisible.
         ietumo ;
         3
```

```
Il Given number is divisible by II and 13 or not:
        #include < stdloin>
         int main ()
         €
            int x ;
            Print ("Enter nmby: ");
            scoul ["+4", (x);
           if (x1/11==0 ff x1/13==0)
              print (" DIVIGIBLE" );
                                                 1 1 1 1 1 1
           elle
                                                WORNIN TURTUO
           { primt (" NOT DIVISIBLE");
                                                     x = 20
            7
                                                  " NOT DIVISIBLE.
           return 0;
     11 Chack Validity of a Triongle:
(06)
      Hinclude <stdio-h>
       ( ) n'uom thi
          int a, b, c;
          printly ("Enter Sides: \n");
          sconf (" 1.d 1d 18", 80, 86,80);
       ib ( 6+6)>C & (6+c)>a && (0+c)>b)
         ( print (" Valid");
         3
                                              OUTPUT WINDOW
       else
         ( printl ( " Invalid");
                                               a=1 , b=2 , c=3
                                              => Invalid Triongle
       return 0;
```

```
// Evaluation of Expression
       #include < stdibh>
        int main ()
          int a, b, c,d, x;
           print (" Enter a b, c,d: \n");
           sconf (" 12.14.19.19", 80, 66,80, 80);
            if (c==d)
              print (" Error");
                                                       OUTPUT WINDOW
            else
                                                        0=1.
                                                        6-2
                r= (a-b)/(c-d);
                                                        C= 3
                print (" In x=1.d", x);
                                                       d=4
                                                       =1 X =1
           retuin 0;
68. 11 Displaying floor and ceiling for a flooting point number as input:
      #include < stelio. h>
        int main ()
       1 float n;
          int, c;
          printly ("In Enter The nonby:");
           sconf (" ", t", &n );
           if (n-(1M)n==0)
           { f= (in) n;
               C = F ;
                                                   OUTPUT NINDOW
           else
              ( ora) 11 }
                                                         1-1.2
                { f = (in+) n;
                                                      > FLOOT = 1
                  C = (F+1);
              else
                                                        Ceily =2
                   c=(in+) n ;
                  f = C-1 ;
               printf ("In Floor: "d",1);
               printl ("In Ceiling: 12", c);
              retuino; }
```

```
11 Given 3-digit number is Palindrome or Not:
 #include < stdio.h>
  int main ()
    printf ["Enter 3-Digit No.: In");
    8cant ("H", en);
    if ( n/100 = = n 1/10 )
     { print ("In Yes, It is Palindrome");
    else
      printf ("In Not Palindrome");
                                          OUTPUT WINDOW
   return 0;
                                              n=191
                                             Yes, It is Palindrome
```

```
(1) . 11 system of Two variables:
      #include < stdio.h>
       int main ()
          int o, b, c, d, m, n, X1, X2;
          print (" [ntox a,b,c,d,m,n");
          sconf (". 4d. 1.d. 1.d. 1.d. 1.d., &a, &b, &c, &d, &m, &n);
         if ( (a*d-c*b)!=0)
                XI = (m*n-b*n)/(a*d-c*b);
                                                             OUTPUT WINDOW
                x2 = (n*a-c*m)/(a*d-c*b);
                                                              0=1
               print(("In XI=Yd and X2= 1.d", X1, X2);
                                                              b = 2
                                                              c=3
                                                              d = 4
             else
                                                             m =5
               print ( " wrong values entered");
                                                              n = 6
            return 0;
                                                          x_1 = -q and x_2 = 4
1 Loop your on not using nested it stadements:
          #include 2stdio. h)
           int main ()
          { int y;
              printf (" In Enter a year!");
              scanf ("1.d", &y);
               if (y 1.100 == 0)
                   if (y1.400 ==0)
                        printf ("In I'd is a leap year", y);
                       printf ("In 1. is not a leap year ", y);
              else
                  if (71.4==0)
                    Printf ("In 1. is a leap yeary);
```

print("In 1.d is not a leap year", y);
return 0;

OUTPUT WINDOW:

Enter a year: 2053
2053 is not a year.

