CSA D271

c programming for problem solving Program to display a number if it is regative vin: de program for a number is regative. : margar 9 # include Catalio.h > int main () [int negative number = -5; Prints ("Negative number: /.d/n", regative number); Output: -5 is regative number their whether the given number is odd or even. To print the given number is odd or even Program: # include 2stdio.h> ink main() E int num; Printf ("Enter an integer:"); scart (".1.d", & rum); 9f (rum ./. d == 0) Print (". rd is even", number); Print (". 1.d is odd, num);

output! ab in then

```
two integers
Program to ordate
       print the pragram at relate two integers
    30
 ming = , 7 8 2.
Program:
     # include astdio.h >
     int main ()
      L'int number 1, number 2;
       Print ("Enter two integers:");
       scarf (".1.d .1.d", 2 mm1, 1 num 2);
      If ( number 1 == number 2)
     2 Print ("Result: 1/d = 1/d", num, num 2);
     elie if (run 1 > run 2)
      { Printf (" Result: . 1.d > . 1.d", rum, rum &);
     else (mm 1 c num 2)
      2 Print ("Perult: 1.d 2.1.d), rum, rum 2):
      notion 0;
```

using = , > or L

```
Program to calculate the sum of numbers (10 no.'s max)
    To print the program to calculate the Sun
 of numbers (10 numbers marx).
morgan
   # include Lstdio h>
    Int main ()
    f int spain i;
      double number, sum = 0.0;
     Im (i=1; i == 10; i++)
    & Prints ("Ester 10-1-d: ", i);
       Sconf (" .1. 1 = ", 2 number);
        if ( ocumber 20.0) }
       sum + = runber
        Print ("Aum = 11-21 f", Sum);
        retur 0;
        Enter 01: 2.4
        Enter na: 4.5
        Enter 13: 3.4
        Enter 14: - 3
```

Aum = 10.30.

```
Program to print numbers from 1 to 10.
For Loop
    For initiatizes an internal variable, executes the
Syntas
  body as long as the internal Variable, is not more
        limit and at the end of each interation,
   increments the internal variable.
  coding :-
   I so print rumbers from 1 to 10.
        # include < stdio. h >
        int main ()
        e inti;
           for (i=1; ic=10; i++)
          ¿ print (".1.d \n", i);
       Program to calculate the first n natural numbers
         coding:
               # include 2 stdio. h >
               int main ()
                l art n, sum;
                 scarf (" .1.d", & n);
                 for (int i=1; i = n; i++)
                 l sum = (n = (n+1) 1/2;
```

Print (".1.du, 8um).

```
find factorial of a number
coding
     To find factorial of a number.
     # include estatio. h >
      int main ()
       int n, i, fact = 1;
       scarf (".1.d", 20);
      { fact = fact ;
        Print ("Ester! Factorial doesn't exist).
       else (for i=1; iln; ++i)
          { fact 1 = i;
           Printle ("Factorial of -1.d = ./. 114", 1, fact)
               as integer = 9
```

Factorial of 9 = 362880.

```
to point pyramids & triangles.
x brogans
  Avin: It spirt pyramids & triangles using for
  Cobing.
           # include c (td io.h >
           ink moin ()
           ¿ int i, space, nows, t=0;
            Print (" Enter the number of crows: ");
            scarf (". (.d, & nows);
            for (i=1; ic rous; fti, k=0)
            { for (space = 1; space = nows - i; ++ space)
              Prints (" ");
               while ( :! = d * + i ) }
                Points (" "");
                9 Paint ("In");
           Output: Enter the number of wow
```

```
switch statement
     Program to calculate semple calculates
     To calculate simple calculator using suiteh case
coding:
       # include 2stdio.h >
        int main () {
          char op;
          double first , second :
          Printf (" Enter on operated (+1-1*,1); *);
          Scart ("1. C", 20P);
           Print (" Erler two operants;");
           scarf (".1. 1f .1. 1f", & first , & second);
          8 witch (op) {
             core 't';
             Print (".1.16+.1.16 = 1.116",
                              first, second, first + second
             break;
           case '.
               first, second, first -
```

```
Paint ( . . 1. 18 * 1. 118 = . 1. 11 1, birst, recould
    boods;
care '.1."
     Points ( . 1. 11 & . 1. 11 + = . 1. first, second,
                                  first ( second);
      break;
  output: Enter an operator (+,-,*,1):+
           Enter two operands: 3 4
            3.0 +4.0 =7.0
```

```
goal slive.
2 at 1 mark wedness tring at margar 9
        print numbers from 1 to 5 using while loop.
Aim: No
Coding:
       # include 2 std io. h >
       in i = i shi ]
          while
          (i, "11 b.1.") thing 3
            i= i+1;
           3 Print ("(");
      Output: 1
  Program to add numbers with the use enter year.
  Prin: 30 add numbers will the user enters
          yers using do while loop
```

```
coding
   # include < stdio. k >
    int main ()
    I double number, sum =0.
          Printf (" Enter a number: ");
          scarf (".1.26", & number);
          sum + = number;
         while (number ! = 0.0);
          Print ("sum = -1.2 lf", sum);
     Output:
          Enter a number: 3
          Enter a number: 2
           Enter a number: o
            Sum = 5:00
```