```
double 5 = Obj. semiperi (a,b,c);
Define a class triangle as follows:
   double semiperi (inta, int b, intc): to calculate semi perimeter of a sand return it.
                                                           returnar; (s-c));
   double area (inta, intb, intc): to find the area of a
    Area of a \Delta = \sqrt{S(S-a)(S-b)(S-c)}

S = Semi perimeter.

S = a+b+c
   Also muste main method to input 3 sides of 10 different

A and using above functions, find and print their
                                                            int 1, 4, 3;
                                                           for (int i=1; i <=10; i++)
class triangle
 double semiperi (înt a, int 6, înt c)
                                                            _ x = ob.nexd]nd();
 double s = (a+b+c)/2.0;
return s;
                                                               y = 06. next Int();
                                                               3 = 06. nextInt();
                                                         5 opln(06j. area (1, y, 3);
  double area (inta, intb, inte)
    triangle obj = new triangle ();
```

```
double at = Math. sqxt (s *1s-a) * (5-6) *
                                                       ICSEONE21
pubic static void main (String args[])

§ Scanner ob=new Scanner (system.in);

triangle obj=new triangle ();
  Sopln ("Enter 3 sides of 10 triangles");
```

Design a class Prime as follows:

int factors (int a): To accept a number through parameter and return it's number of facotrs. main(): Using above function, print all the 2 digit prime numbers.



```
Class prime
 int factors (inta)
 for (inti=1; i < = \alpha; i++)
     if ( \alpha \gamma'/\do i = = 0)
  return f
```

```
Public static void main (String args[])
Prime Ob = new Prime();
   for (int i= 10; i <= 59; i++)
      if (Ob.factors(i)==2)
      Sopln(i);
```

W.A.P with the help of the given function to calculate and print the value of s where s = 1/1! + 2/2! + ... + 10/10!

long fact (int x): The function accepts an integer value and returns it's factorial





W.A.P with the help of a given function to check if a pair of numbers are twin prime or not. A pair of number is said to be twin prime if both of them are prime and their difference is 2. E.g. 11 and 13



int prime (int x): accepts an integer value and returns 1 if the no. is prime else 0.

W.A.P to accept a number and check if the no. is Emrip no. or not. A number is called Emrip if the original and the reverse of the number both are prime. Eg: 13, etc..

ICSEONE21

int rev (int x): returns the reverse of a number boolean prime (int x): returns true for the prime and false for composite number.

Also write the main method to input a number and check if it is Emrip or not using above functions.



Moment Do the gulstion which has been marked

