```
class Calculator
{
   public static void main(String arg[])
   {
      int a=2, b=5;
      int sum=a+b, diff=a-b, prod=a*b, quo=a/b;

      System.out.println("the sum is:" + sum );
      System.out.println("the difference is:" + diff);
      System.out.println("the product is:" + prod);
      System.out.println("the quotient is:" + quo);
   }
}
```

```
C:\Users\student\Documents\Srinidhi>javac Calculator.java
C:\Users\student\Documents\Srinidhi>java Calculator
the sum is:7
the difference is:-3
the product is:10
the quotient is:0
```

```
22-09-2025
                                                  0
1. semulate a simple calculator and show the
 add, multiply, subtract and divide options.
dass Calculator
  public statue void main (string arget)
     int a=2 , b=5;
    Int sum = a+b, diff = a-b, prod=a*b, quo: 0/b;
System out printin ("The sum is " + sum),
     System out . println ("The difference is " + diff);
     System. out. printles (" The product is " + prod );
     System out printly ("The quotient is : " + quo);
    3
Output: The sum is: 7
         The difference is: -3
         The product is: 10
          The quotient is: 0
```

```
class SimpleInterest
{
    public static void main(String arg[])
    {
        int p=100, t=2, r=5;
        int sI=(p*t*r)/100;
        System.out.println("the simple interest is:" + sI);
    }
}
```

C:\Users\student\Documents\Srinidhi>java SimpleInterest
the simple interest is:10

```
2. Class SimpleInterest java program to write simple Interest.

class SimpleInterest

public static void main (String arg[7))

full p=100, t=2, r=5;
int sI = {p*t*r}/100;
System.out.println("The simple interest is:"+sI;

}

Output: The simple Interest is: 10
```

```
class Fibonacci
{
    public static void main(String arg[])
    {
        int n=5;
        int first=0,second=1,third;
        System.out.println("The Fibonacci series:");
        System.out.println(first);
        System.out.println(second);
        for(int i=0;i<n;i++){
            third=first+second;
            first=second;
            second=third;
        System.out.println(third);}
    }
}</pre>
```

```
C:\Users\student\Documents\Srinidhi>java Fibonacci
The Fibonacci series:
0
1
2
3
5
8
```

```
3. Write a java program to generate
  Fibonacci seile
 class fibonacci
    public static void main (String arg [])
     int n = 5;
     int first=0, second=1, third;
     System out printtn ("The Fibonacci series ")
     System out println ( ufust);
     System out printles (second);
     for ( int 9=0; 9<n; i++) 9
       thind = first + second;
       fruit = second;
       swond = third; ?
       System. ont. printin ( Hird);
 output: The fibonacci series:
```

```
class Tables
{
    public static void main(String arg[])
    {
        int p,q;
        for(int i=1; i<=10; i++){
        p=3*i;
        System.out.println("3X" + i +"=" + 3*i);}
        for(int i=1; i<=10; i++){
        q=5*i;
        System.out.println("5X" + i +"=" + 5*i);}
    }
}</pre>
```

```
C:\Users\student\Documents\Srinidhi>java Tables
3X1=3
3X2=6
3X3=9
3X4=12
3X5=15
3X6=18
3X7=21
3X8=24
3X9=27
3X10=30
5X1=5
5X2=10
5X3=15
5X4=20
5X5=25
5X6=30
5X7=35
5X8=40
5X9=45
5X10=50
```

```
4. write a java perogram to point multiplication
          3 and 5.
 tave of
class Jables
& public static void main (String arg [])
   for (int ? = 1; ix=10; i++) {
   System.out. printtn ("3x"+ ?+"="+3*1);}
   for ( Put i = 1 ; i x = 10; i++) }
   System. out. println ("5x"+i+"="+5*1), }
output: 3x1=3
        3x2=6
         3×3=9
         3×4=12
         3×5=15
         3 x 6= L8
         3x7=21
         3 x 8 = 24
         3 x 9 = 27
         3×10=30
        5×1=5
        5 x 2 = 10
        5×3=15
        5 × 4 = 20
        5×5=25
        5×6=30
        5×T = 35
        5x8=40
        5×9=45
                            In wint factorial of a
        5×10=60
```

```
class Factorial
{
   public static void main(String arg[])
   {
      int n=5,j=1;
      System.out.println("The factorial is:");
      for(int i=1;i<=5;i++){
      j*=i;}
      System.out.println(j);
   }
}</pre>
```

```
C:\Users\student\Documents\Srinidhi>java Factorial
The factorial is:
120
```

```
5. Novite a java perogram, to print factorial of a given number.

class factorial

{ public static void main (String ang[]) }

int n=5, j=1;

System. out. println ("The factorial is:");

System. out. println (j);

for ("Mt?=1;) {2=5; i++) {

for ("Mt?=1;) {2=5; i++} {

for ("Mt?=1;) {

for ("Mt?=1;) {2=5; i++} {

for ("Mt?=1;) {

for ("Mt?=1;) {

for ("Mt?=1;) {

for ("Mt?=1;) {

for ("Mt?=1
```