ASSIGNMENT-3

```
write a gava program to get inputs for multiplying
 two matrices and desplay the Results-
 Import Java. util . Scanner;
 Public class matrixmuttiplecation &
      public static void main (string[Jargs) &
      Int n;
      scanner Proput = new scanner (system. 9n);
      System. out. println ("Enter the base of squared
                           matrices 1);
       n= Paput . next Int();
       Prittill a = new Prittillis;
       PATEJEJ6 = New PATENJENJ;
       PATETET C = new PATENTINT;
       system. out. printin' (" Enter the elements of 1st
           matrix now wese ");
      for (Pnt 9=0; icn; +++)
        for (Pnt j=0; j<n; 9++)
           a [i][j] = Proput. next Int();
```

```
System.out. printin ("Enter the Elements of and matrix
      now wise 1);
for (Pot 9=0; 9<0; 9++)
  for (Pot =0; g<n; f++)
     B[i][i] = Proput. nextInt ();
 system.out. printin ("multiplying the matrices");
 for (9nt P=0; 9Kn, P++)
 for (Pnt g=0; $ < n; 9++)
    for (k=0; K<n; K++)
         ([1][] = ([1][] + a [1][] * b[][];
  system.out.println ("The product Ps:1);
  for (Pot 1=0; 9 < n; 9++)
```

```
for (Pnt j=0; j<n; j++)
      system.out.prent (C[1][]+"");
       system. out. println ();
     Proput. closed);
Find Factorial of numbers with Pritegers Square root
from 1 to 356.
împort java. math. BigInteger,
public class factorial with square Root &
public static word main (string [] args)
   Pnt n = 356;
   BigInteger factorial = BigInteger . ONE;
```

Beginteger square Root = Beginteger value Of (long)

for (Pnt 9=1; 1<=n; 9++) 9

```
math.sgrt (1));

factoreal = factoreal.multiply (square Root);

gystem.out.prentln ("factorial with square root

of entegers from 4 to "+n" es:");

system.out.prentln (factorial);

3

everse a streng and fend it es a palendrome
```

Reverse a string and find it is a palindrome?

Public class string palindrome?

Public static void main (string [Jargs] &

string mystring = "anna";

string Buffer buffer = new string Buffer (mystring);

buffer reverse ();

string data = buffer . to string();

?t (mystring . equals (data)) &

system-out printlin (4 Given string ?s palindrome");

Jelse &

System-out printlin (4 Given string ?s not palindrome");

y