

```
import java.util.*;
class six1
{
    public static void main(String args[])
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("enter the number of rows");
        int m= sc.nextInt();
        System.out.println("enter the number of columns");
        int n= sc.nextInt();
        int[][] arr = new int[m][n];
        System.out.println("enter the matrix");
        for(int i=0;i<m;i++)
        {
            for(int j=0;j<n;j++)
            {
                arr[i][j] = sc.nextInt();
            }
        }
        System.out.println("matrix is ");
        for(int i=0;i<m;i++)
        {
            for(int j=0;j<n;j++)
            {
                System.out.print(arr[i][j]);
            }
            System.out.println();
        }
        System.out.println("TRanspose is ");
        for(int i=0;i<n;i++)
        {
            for(int j=0;j<m;j++)
            {
                System.out.print(arr[j][i]);
            }
            System.out.println();
        }
    }
}
```

enter the number of rows

3

enter the number of columns

2

enter the matrix

1

2

3

4

5

6

matrix is

12

34

56

TRanspose is

135

246

(program exited with code: 0)

```
import java.util.Scanner;
class six2
{
    static float radius,area,peri,pi=(float)3.14;
    static void accept()
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("enter the radius ");
        radius=sc.nextFloat();
    }
    static void area()
    {
        area=pi*radius*radius;
    }
    static void perimeter()
    {
        peri=2*pi*radius;
    }
    static void display()
    {
        System.out.println("radius= "+radius);
        System.out.println("area= "+area);
        System.out.println("perimeter= "+peri);
    }
    public static void main(String[] args)
    {
        accept();
        area();
        perimeter();
        display();
    }
}
```

enter the radius

3

radius= 3.0

area= 28.26

perimeter= 18.84

(program exited with code: 0)

```

import java.util.Scanner;
class actor
{
    String id,name;
    int movies,years;

    float calc()
    {
        float avg=(float)movies/years;
        return avg;
    }
}

class six3
{
    public static void main(String args[])
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("enter the number of actors ");
        int n=sc.nextInt();
        actor a[]=new actor[n];
        int i;
        float b[]=new float[n];
        for(i=0;i<n;i++)
        {
            a[i]=new actor();
            System.out.println("enter the name,id,movies done and years of experience of actor "+(i+1));
            a[i].name=sc.next();
            a[i].id=sc.next();
            a[i].movies=sc.nextInt();
            a[i].years=sc.nextInt();
            b[i]=a[i].calc();
        }
        float high=b[0];
        int j=0;
        for(i=0;i<n;i++)
        {
            if(b[i]>high)
            {
                high=b[i];
                j=i;
            }
        }
        System.out.println("the actor having highest average= "+a[j].name);
    }
}

```

```
17geany_run_script_mkfifo.sh", exit,
enter the number of actors
2
enter the name,id,movies done and years of experience of actor 1
Seo-joon
334
10
3
enter the name,id,movies done and years of experience of actor 2
Nicholas Sparks
666
20
the actor having highest average=  Nicholas

-----
(program exited with code: 0)
```