WEEK-6 PRACTICE PROGRAMS

PROGRAM 1:

INPUT:

```
import java.util.Scanner;
    public static void main (String[] args)
       Scanner ss = new Scanner(System.in);
       int m, n, i, j;
System.out.println("\nEnter the NUMBER OF ROWS of the matrix :");
       m = ss.nextInt();
System.out.println("\nEnter the NUMBER OF COLUMNS of the matrix :");
       n = ss.nextInt();
int A[][] = new int[m][n];
       System.out.println("\n<----ENTER THE ELEMENTS OF THE MATRIX---->\n");
       for (i = 0; i < m; i++)
               System.out.print("Enter the element ("+(i+1)+", "+(j+1)+") : "); A[i][j] = ss.nextInt();
       System.out.println("\n<----->\n");
       for (i = 0; i < m; i++)
           System.out.println();
       System.out.println("\n<----->");
       System.out.println("\n<----THE RESULTANT TRANSPOSE MATRIX---->\n");
           for (j = 0; j < m; j++)
    System.out.print(A[j][i] + " ");</pre>
           System.out.println();
       System.out.println("\n<----->");
```

PROGRAM 2:

INPUT:

```
import java.util.Scanner;
       class Circledemo
           double radius;
           double area;
double perimeter;
           double pi;
           Scanner ss = new Scanner(System.in);
           Circledemo()
                radius = 0;
area = 0;
perimeter = 0;
pi = 22.0 / 7;
           void accept()
                System.out.println("\nEnter the RADIUS of the circle :");
                 radius = ss.nextDouble();
           void compute_area()
                 area = pi * radius * radius;
          void compue_perimeter()
               perimeter = 2 * pi * radius;
          void display()
               System.out.println("\n<-----</pre>
               System.out.printf("AREA of the circle : %.3f",area);
System.out.println();
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               System.out.printf("PERIMETER of the circle : %.3f",perimeter);
System.out.println();
System.out.println("\n<-----\n");</pre>
           public static void main(String[] args)
               Circledemo c = new Circledemo();
               c.accept();
               c.compute_area();
               c.compue_perimeter();
               c.display();
```

PROGRAM 3:

INPUT:

```
| Import journati.Scorner; | Import journati.Sco
```

```
Command Prompt
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_6>java Actor
Enter the number of actors :
----ENTER THE DETAILS OF ACTOR 1----
Enter the ACTOR ID :
123
Enter the ACTOR NAME :
John
Enter the NUMBER OF MOVIES :
175
Enter the YEARS OF EXPERIENCE of the actor :
----ENTER THE DETAILS OF ACTOR 2----
Enter the ACTOR ID :
456
Enter the ACTOR NAME :
Joseph
Enter the NUMBER OF MOVIES :
150
Enter the YEARS OF EXPERIENCE of the actor :
25
HIGHEST AVERAGE : 8.75
ACTOR : John
```

PROGRAM 4:

INPUT:

```
| Columnia | Columnia
```

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_6>javac Commandline.java

C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_6>java Commandline 6 2 1

-----SORTED ARRAY-----

1.00 2.00 6.00
```