C:\Users\anant\JAVA A\Ex2.java - Sublime Text (UNREGISTERED)

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Ex2.java

```java
import java.util.Scanner;

class CircleDemo
{
    private double radius;
    private double area;
    private double perimeter;

    public void setRadius(double radius) {
        this.radius = radius;
    }

    public void f_area(){
        area = radius*radius*3.142;
    }

    public void f_perimeter(){
        perimeter = 2*3.142*radius;
    }
    public void display(){
        System.out.println("Radius:"+radius);
        System.out.println("Area:"+area);
        System.out.println("Perimeter:"+perimeter);
    }
}
class Ex2{
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        double radius;
        System.out.print("Enter radius:");
        radius = sc.nextDouble();
        CircleDemo c =new CircleDemo();
        c.setRadius(radius);
        c.f_area();
        c.f_perimeter();
        c.display();
    }
}
```

Line 1, Column 1

```
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C:\Users\anant>cd JAVA A

C:\Users\anant\JAVA A>javac Ex2.java

C:\Users\anant\JAVA A>
C:\Users\anant\JAVA A>java Ex2
Enter radius:5
Radius:5.0
Area:78.55
Perimeter:31.4199999999998

C:\Users\anant\JAVA A>
```

*Ex1 - Notepad

File Edit Format View Help

```
import java.util.Scanner;

public class Ex1 {
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        int row, col;
        System.out.print("Enter the number of rows:");
        row = sc.nextInt();
        System.out.print("Enter thr number of columns:");
        col = sc.nextInt();

        int [][] matrix = new int[row][col];
        System.out.println("Enter thr elements in array:");
        for (int i = 0; i < row; i++) {
            for (int j = 0; j < col; j++) {
                int num = sc.nextInt();
                matrix[i][j] = num;
            }
        }
        System.out.println("Elements of matrix:");
        for (int i = 0; i < row; i++) {
            for (int j = 0; j < col; j++) {
                System.out.print(matrix[i][j] +" ");
            }
            System.out.println();
        }
        int [][] new_matrix = new int[col][row];
        for (int i = 0; i < col; i++) {
            for (int j = 0; j < row; j++) {
                new_matrix[i][j] = matrix[j][i];
            }
        }
        System.out.println("Elements of matrix after transpose:");
        {
            for (int i = 0; i < col; i++) {
                for (int j = 0; j < row; j++) {
                    System.out.print(new_matrix[i][j]+" ");
                }
                System.out.println();
            }
        }
    }
```

Command Prompt

```
Microsoft Windows [Version 10.0.19041.572]
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C:\Users\anant>cd JAVA A

C:\Users\anant\JAVA A>javac Ex1.java
error: file not found: Ex1.java
Usage: javac <options> <source files>
use --help for a list of possible options

C:\Users\anant\JAVA A>javac Ex1.java

C:\Users\anant\JAVA A>java Ex1
Enter the number of rows:3
Enter thr number of columns:3
Enter thr elements in array:
22 33 44 55 66 77 88 99 10
Elements of matrix:
22 33 44
55 66 77
88 99 10
Elements of matrix after transpose:
22 55 88
33 66 99
44 77 10

C:\Users\anant\JAVA A>
```