

6. Program to find area of a circle using Default and Parameterized Constructor

Objective: Default and Parameterized Constructor

Description and Code: Create a java file and save it as Program6.java and put following code into this file: -

```
//Program To find area of a circle using Default and Parameterized Constructor
```

```
class Program6
```

```
{
```

```
double area,r,pi;
```

```
Program6() //Default Constructor
```

```
{
```

```
r=2;
```

```
}
```

```
Program6(double R) //Parameterized Constructor
```

```
{
```

```
r=R;
```

```
}
```

```
void area()    // Area calculation
{
    pi = 3.14;
    area=pi*r*r;
    System.out.println(""+area);
}

public static void main(String args[])
{
    Program6 r1=new Program6(); //Default Constructor Is Called

    Program6 r2=new Program6(4); //Parameterized Constructor

    System.out.println("Area of rectangle with default constructor is:");

    r1.area();

    System.out.println("Area of rectangle with parameterized constructor is:");

    r2.area();
}
}
```

Expected Output:

Area of rectangle with default constructor is:

12.56

Area of rectangle with parameterized constructor is:

50.24