OBJECT ORIENTED PROGRAMMING ASSIGNMENT

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Analytics

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JAVA Programs(10)

Area of circle

```java
public class Circle
{
    public static void main(String[] args)
    {
        int r;
        double pi = 3.14, area;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter radius of circle:");
        r = s.nextInt();
        area = pi * r * r;
        System.out.println("Area of circle:"+area);
    }
}
```

Area of rectangle

```java
public class rectangle{
    public static void main(String args[])
    {
    int width=5;
    int height=10;
    int area=width*height;
        System.out.println("Area of rectangle="+area);
     }
}
```

Perimeter of circle

```java
import java.util.Scanner;
public class Perimeter
{
    int r;
    double pi = 3.14,perimeter;
    Scanner s = new Scanner(System.in);
    void circle()
    {
        System.out.print("Enter radius of circle:");
        r = s.nextInt();
        perimeter = 2 * pi * r;
        System.out.println("Perimeter of circle:"+perimeter);
    }
```

Simple interest

```java
public class Main
{
  public static void main (String args[])
  { float p,r,t,si;
        p = 13000;  r = 12; t = 2;
         si  = (p*r*t)/100;
        System.out.println("Simple Interest is: " +si);
  }}
```

Compound interest

```java
import java.io.*;
 class GFG
{
  public static void main(String args[])
  {
    double principle = 10000, rate = 10.25, time = 5;
    double CI = principle *
          (Math.pow((1 + rate / 100), time));

    System.out.println("Compound Interest is "+ CI);
  }
}
```

Area of square

```java
import java.util.Scanner;
public class square{
  public static void main(String[] args){
```

```java
        Scanner sc= new Scanner(System.in);

        System.out.println("Enter the side of Square");

        int a=sc.nextInt();

        int area=a*a;

        System.out.print(area);

    }

 }
```

Area of triangle

```java
public class test

{

  public static void main (String args[])

  {       float b=4,h =13,area ;

              area = (b*h) / 2;

              System.out.println("Area of Triangle is: "+area);

}}
```

Perimeter of rectangle

```java
public class Main

{

  public static void main (String args[])

  {    float a ,b, c, d, perimeter;

          a=c= 5;

          b=d=4;

          perimeter  = 2*(a+b);

       System.out.println("Perimeter of Rectangle is: "+perimeter);

}}
```

To print hello GLA

```
class Simple{
    public static void main(String args[]){
     System.out.println("Hello GLA");
    }
}
```

Area of parallelogram

```
public class parallelogram{
    public static void main(String args[])
    {
    int base=4;
   int height=18;
   int area_parallelogram=base*height;
  System.out.println("Area of the parallelogram="+area_parallelogram);
     }
}
```