

# ASSIGNMENT

**TechStack: Java**

**Topic: Operators**

**Task 1:-**

```
public class Area {  
    public static void main(String[] args) {  
        int side = 5;  
        int areaSquare = side * side;  
        System.out.println(" Area of square is: " + areaSquare);  
    }  
}
```

**Task 2:-**

```
public class Arearect {  
    public static void main(String[] args) {  
        int length = 6, breadth = 4;  
        int area_Rectangle = length * breadth;  
        System.out.println("Area of rectangle is: " + areaRectangle);  
    }  
}
```

**Task 3:-**

```
public class Triangle {  
    public static void main(String[] args) {  
        double base = 8, height = 5;  
        double areaTriangle = 0.5 * base * height;  
        System.out.println(" Area of triangle is: " + areaTriangle);  
    }  
}
```

**Task 4:-**

```
public class Square {  
    public static void main(String[] args) {  
        int sideForPerimeter = 6;  
        int perimeterSquare = 4 * sideForPerimeter;  
        System.out.println("4. Perimeter of square is: " + perimeterSquare);  
    }  
}
```

**Task 5:-**

```
public class Rectangle {  
    public static void main(String[] args) {  
        int l = 5, b = 3;  
        int perimeter_Rectangle = 2 * (l + b);  
        System.out.println("5. Perimeter of rectangle is: " + perimeter_Rectangle);  
    }  
}
```

**Task 6:-**

```
public class PerimeterTriangle {  
    public static void main(String[] args) {  
        int s1 = 5, s2 = 6, s3 = 7;  
        int perimeter_Triangle = s1 + s2 + s3;  
        System.out.println("6. Perimeter of triangle is: " + perimeter_Triangle);  
    }  
}
```

**Task 7:-**

```
public class BreakAmount {  
    public static void main(String[] args) {  
        int amount = 3700;  
        int thousands = amount / 1000;  
        amount %= 1000;  
        int fiveHundreds = amount / 500;
```

```
        amount %= 500;
        int remaining = amount;
        System.out.println("1000s: " + thousands);
        System.out.println("500s: " + fiveHundreds);
        System.out.println("Remaining: " + remaining);
    }
}
```

### **Task 8:-**

```
public class Convert {
    public static void main(String[] args) {
        int totalSeconds = 3672;
        int hours = totalSeconds / 3600;
        int minutes = (totalSeconds % 3600) / 60;
        int seconds = totalSeconds % 60;
        System.out.println("Hours: " + hours);
        System.out.println("Minutes: " + minutes);
        System.out.println("Seconds: " + seconds);
    }
}
```

### **Task 9:-**

```
public class Marks {
    public static void main(String[] args) {
        int maths = 85, physics = 90, chemistry = 88;
        int totalMarks = maths + physics + chemistry;
        System.out.println("Total marks: " + totalMarks);
    }
}
```

**Task 10:-**

```
public class AvgMarks {  
    public static void main(String[] args) {  
        int maths = 85, physics = 90, chemistry = 88;  
        int totalMarks = maths + physics + chemistry;  
        double averageMarks = totalMarks / 3.0;  
        System.out.println("Average marks: " + averageMarks);  
  
    }  
}
```