

CN4001/ CD4001

Software Development

Topic 3: Building Blocks

Part 3





```
*** Rectangle App ***  
Area of rectangle = 75.0
```

```
double length, height;
```

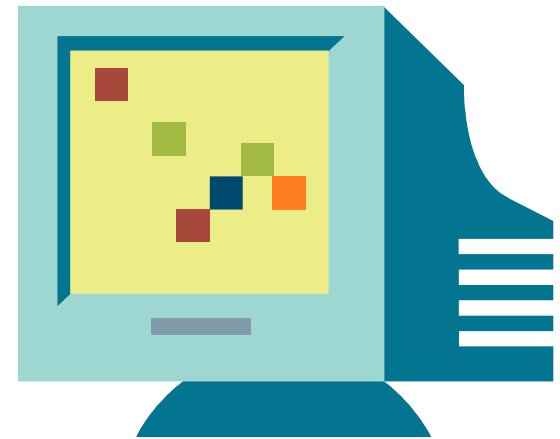
```
System.out.println("*** Rectangle App ***");
```

```
length = 7.5;
```

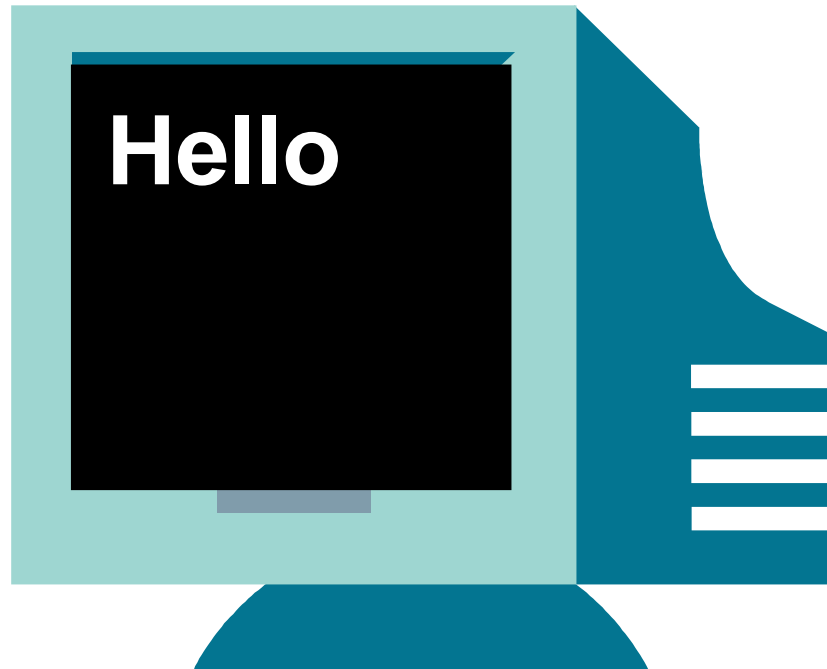
```
height = 10;
```

```
System.out.println("Area of rectangle = " ?? );
```

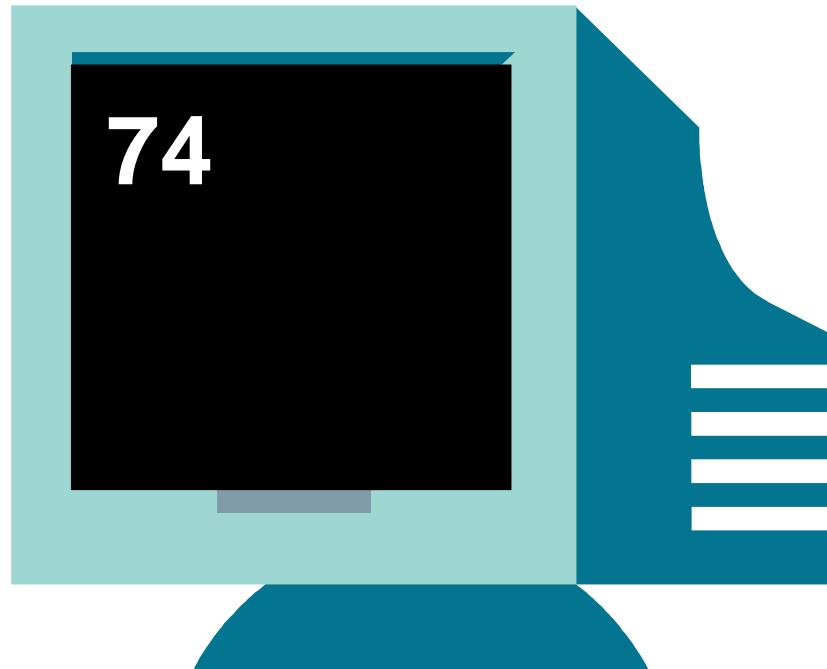
Output in Java



```
System.out.println("Hello");
```



```
System.out.println(74);
```



Carrying out **calculations**

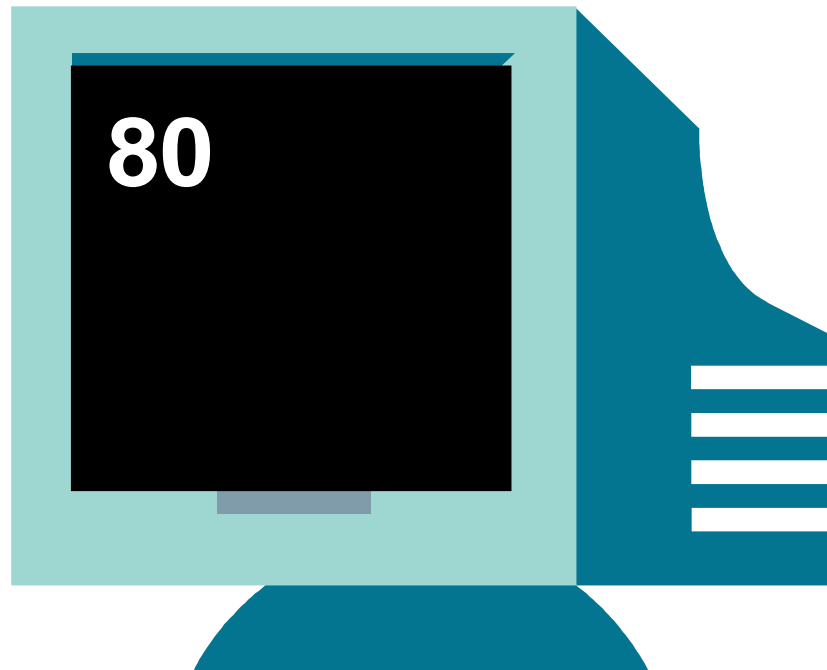




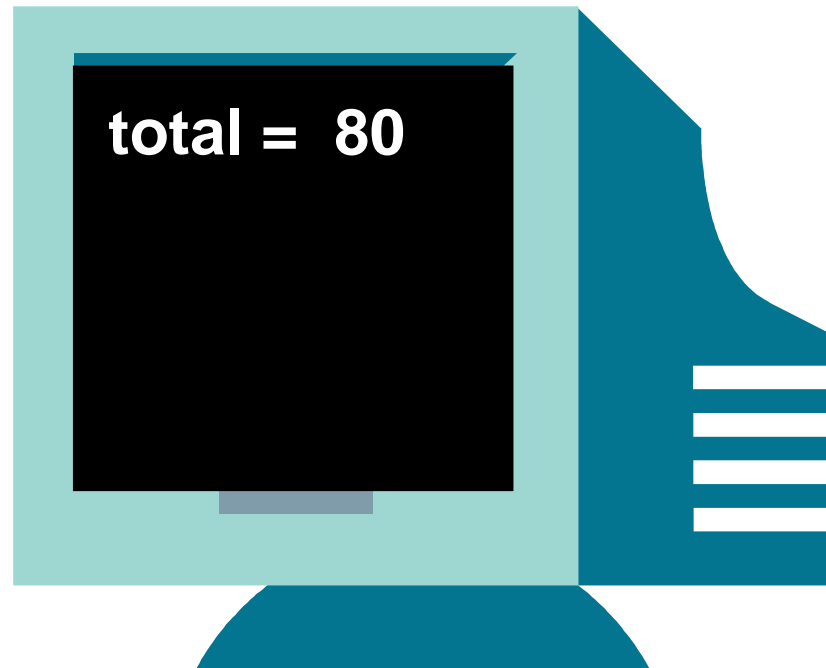
The arithmetic operators of Java

Operation	Java operator
addition	+
subtraction	-
multiplication	*
division	/

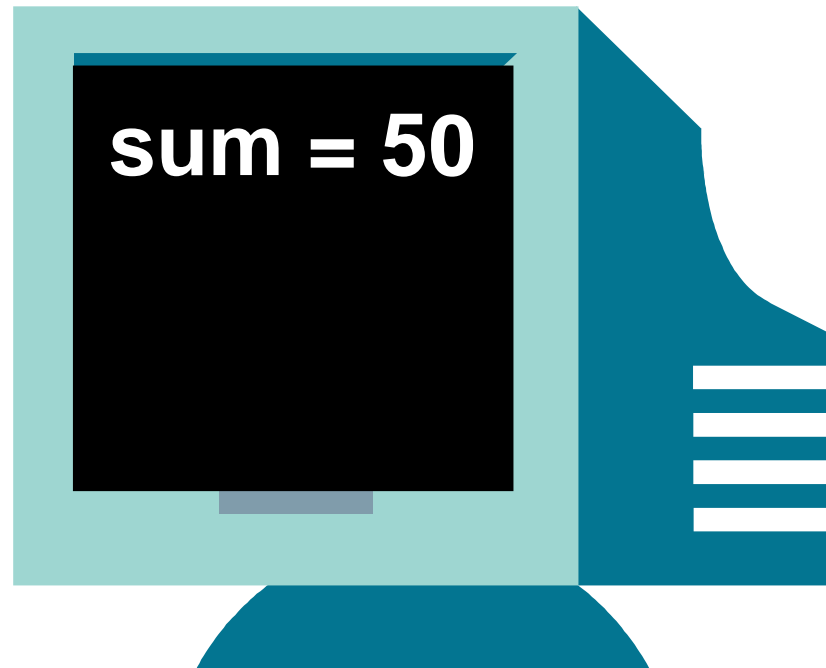
```
System.out.println(10*8);
```




```
System.out.println("total = " + (10*8) );
```



```
int x, y;  
x = 5;  
y = 10;  
System.out.println("sum = " + (x * y));
```



```
double length, height;
```

```
System.out.println("*** Rectangle App ***");
```

```
length = 7.5;
```

```
height = 10;
```

```
System.out.println("Area of rectangle = " ?? );
```

```
double length, height;
```

```
System.out.println("*** Rectangle App ***");
```

```
length = 7.5;
```

```
height = 10;
```

```
System.out.println("Area of rectangle = " (length * height ));
```

```
double length, height;
```

```
System.out.println("*** Rectangle App ***");
```

```
length = 7.5;
```

```
height = 10;
```

```
System.out.println("Area of rectangle = " + (length * height ));
```



A complete program..

main


```
double length, height;
```

```
System.out.println("*** Rectangle App ***");
```

```
length = 7.5;
```

```
height = 10;
```

```
System.out.println("Area of rectangle = " + (length * height ));
```



```
public static void main (String [ ] args)
{
    double length, height;

    System.out.println("*** Rectangle App ***");

    length = 7.5;

    height = 10;

    System.out.println("Area of rectangle = " + (length * height ));
}
```


RectangleApp

```
public static void main (String [ ] args)
{
    double length, height;

    System.out.println("*** Rectangle App ***");

    length = 7.5;

    height = 10;

    System.out.println("Area of rectangle = " + (length * height ));
}
```

RectangleApp.java



```
public class RectangleApp
```

```
{
```

```
    public static void main (String [ ] args)
```

```
    {
```

```
        double length, height;
```

```
        System.out.println("*** Rectangle App ***");
```

```
        length = 7.5;
```

```
        height = 10;
```

```
        System.out.println("Area of rectangle = " + (length * height ));
```

```
    }
```

```
}
```



```
*** Rectangle App ***
```

```
Area of rectangle = 75.0
```

RUN