# Java - Printing(Output), variable , data types

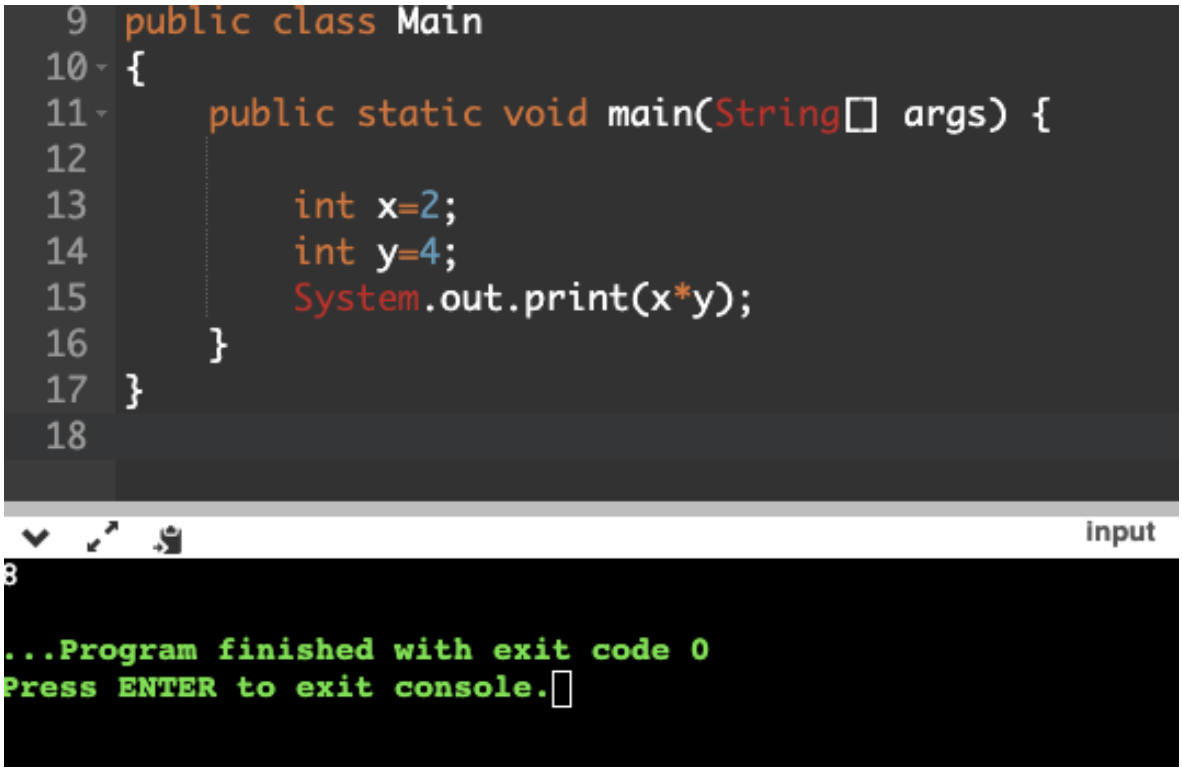
## Assignment Solutions

PW SKILLS

**Q1 - Take 2 integer values in two variables x and y and print their product.**

```
public class Main
{
	public static void main(String[] args) {

		int x=2;
		int y=4;
		System.out.print(x*y);
	}
}
```




**Q2 - Print the ASCII value of character 'U'.**

```
public class Main
{
	public static void main(String[] args) {

		int x='U';
		System.out.print("The ascii value of U is : " + x);
	}
}
```

```
 9  public class Main
10  {
11      public static void main(String[] args) {
12
13          int x='U';
14          System.out.print("The Ascii value of U is : " + x);
15      }
16  }
17
```

input

```
The ascii value is : 85

...Program finished with exit code 0
Press ENTER to exit console.
```

**Q3 - Write a Java program to take the length and breadth of a rectangle and print its area.**

```
public class Main
{
	public static void main(String[] args) {


		int length=6;
		int breadth=5;
		System.out.println("The length is : "+ length);
		System.out.println("The breadth is : "+ breadth);
		int area=length*breadth;
		System.out.println("The area is : "+area);

	}
}
```

```
 9  public class Main
10  {
11      public static void main(String[] args) {
12
13
14          int length=6;
15          int breadth=5;
16          System.out.println("The length is : "+ length);
17          System.out.println("The breadth is : "+ breadth);
18          int area=length*breadth;
19          System.out.println("The area is : "+area);
20
21      }
22  }
```

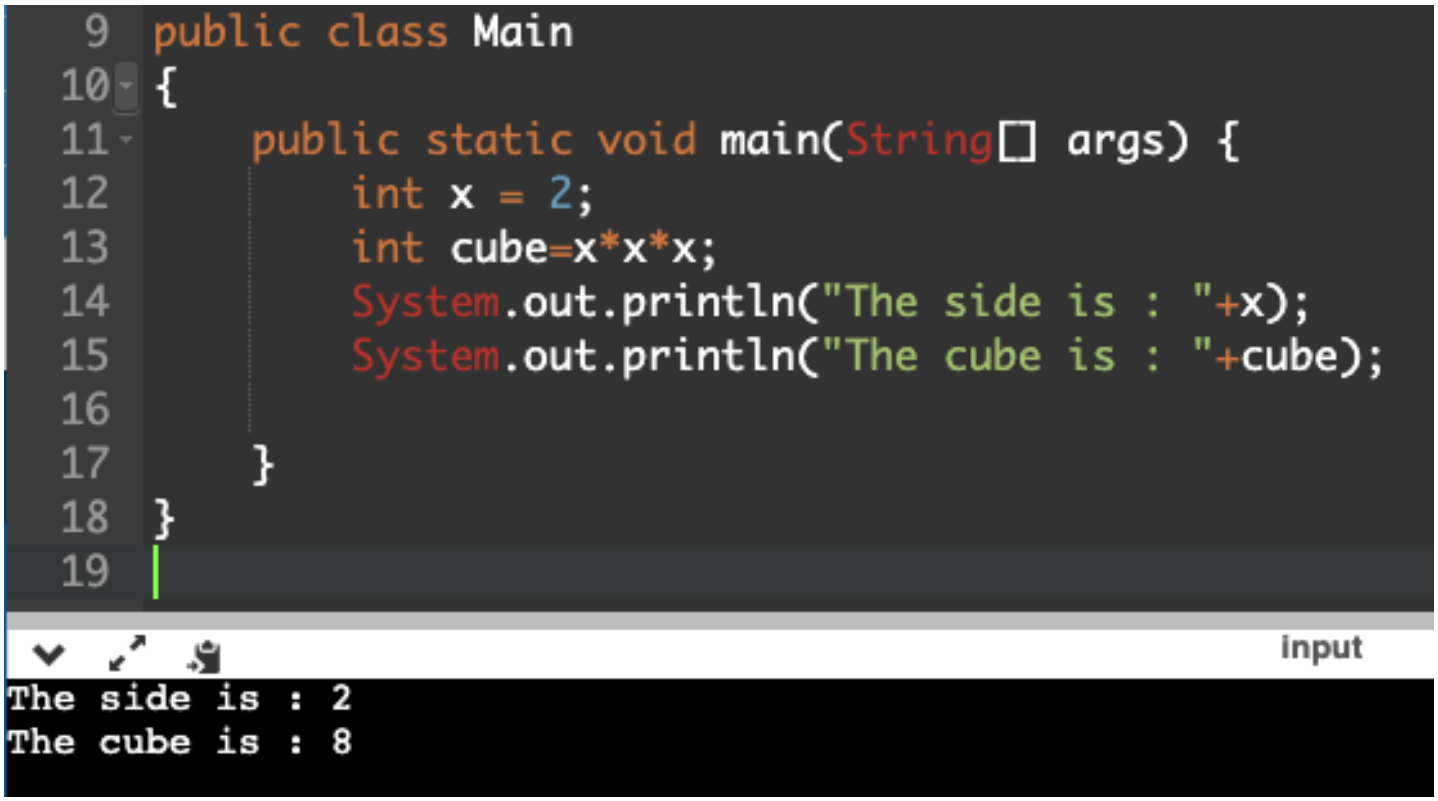
input

```
The length is : 6
The breadth is : 5
The area is : 30
```

**Q4 - Write a Java program to calculate the cube of a number.**

```
public class Main
{
	public static void main(String[] args) {
		int x = 2;
		int cube=x*x*x;
		System.out.println("The side is : "+x);
		System.out.println("The cube is : "+cube);

	}
}
```



**Q5 - Write a Java program to swap two numbers with the help of a third variable.**

```
public class Main
{
	public static void main(String[] args) {

		int num1=2;
		int num2=3;
		System.out.println("The first number before swap is :" + num1);
		System.out.println("The second number before swap is : " + num2);
		int temp; //variable used to swap two numbers
		temp=num1;
		num1=num2;
		num2=temp;
		System.out.println("The first number after swap is :" + num1);
		System.out.println("The second number after swap is : " + num2);
	}
}
```

```
 9  public class Main
10  {
11      public static void main(String[] args) {
12
13          int num1=2;
14          int num2=3;
15          System.out.println("The first number before swap is :" + num1);
16          System.out.println("The second number before swap is : " + num2);
17          int temp; //variable used to swap two numbers
18          temp=num1;
19          num1=num2;
20          num2=temp;
21          System.out.println("The first number after swap is :" + num1);
22          System.out.println("The second number after swap is : " + num2);
23      }
24  }
```

input

```
The first number before swap is :2
The second number before swap is : 3
The first number after swap is :3
The second number after swap is : 2
```