

public class IQ

```
public static void main(String[] args)
{
    String str = 12 + 24 + "Java" + 100 + 90;
    System.out.println(str); //36Java10090
}
```

Command Line Argument :

```
public void accept(int x , int y) // x and y both are parameters
{
}

}
```

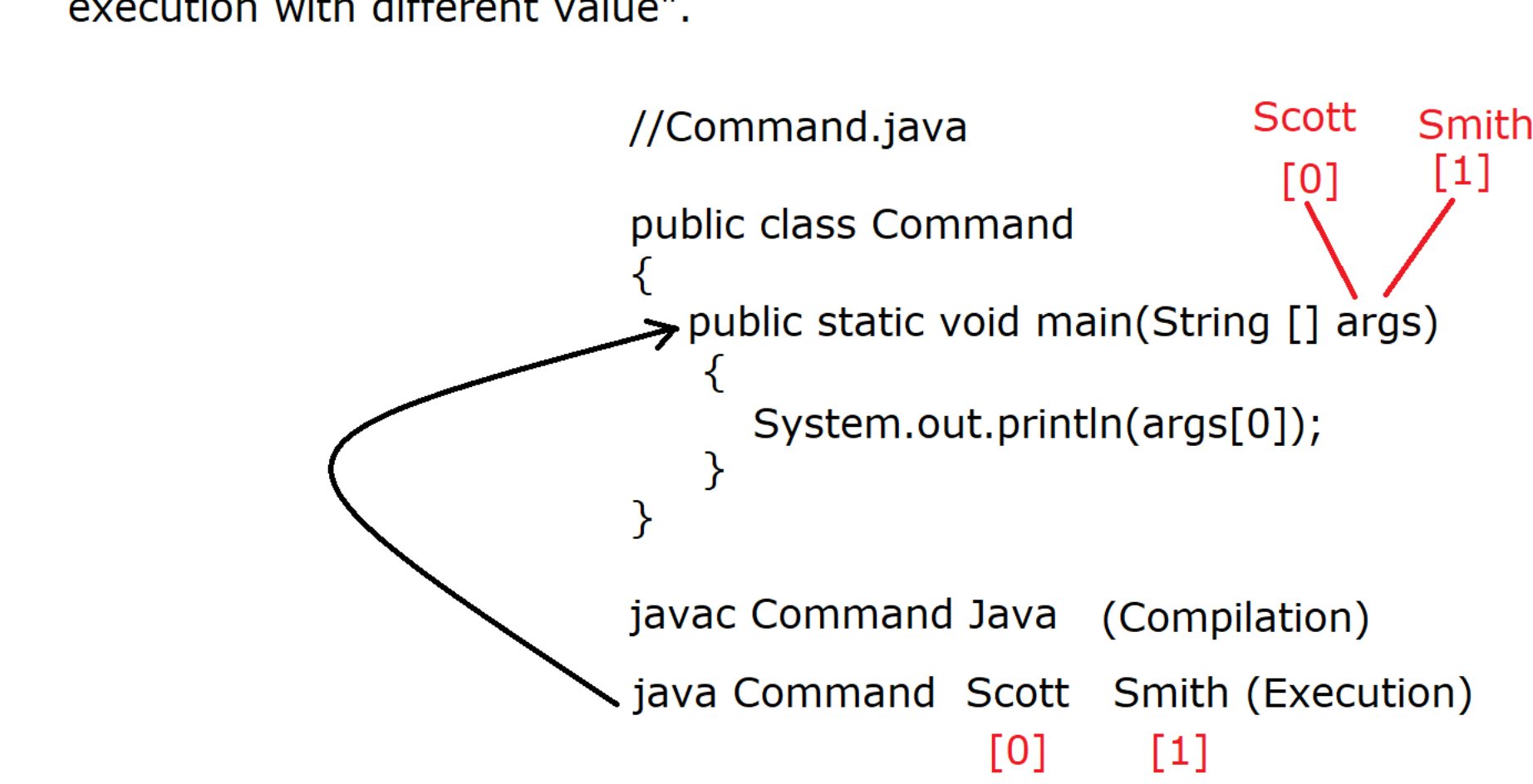
```
public static void main(String [] args) //args is a parameter variable [Command Line Argument]
{
}

}
```

* If we pass some parameter to the main method then it is called command line argument.

* By using commad line argument, We can pass some **value at runtime**.

* The advantage of command line argument is "Single time compilation and number of times execution with different value".



//Programs on command line argument :

```
public class Command
{
    public static void main(String[] args)
    {
        System.out.println(args[0]);
    }
}
```

```
javac Command.java
java Command Scott Smith
```

It will print Scott

```
public class Command
{
    public static void main(String[] args)
    {
        System.out.println(args[1]);
    }
}
```

```
javac Command.java
java Commnad Scott Smith
```

It will print Smith

```
public class Command
{
    public static void main(String[] args)
    {
        System.out.println(args[0]);
    }
}
```

```
javac Command.java
java Command [Here we are not passing any value at runtime but program is expecting at least one value so, We will get java.lang.ArrayIndexOutOfBoundsException]
```

```
public class Command
{
    public static void main(String[] args)
    {
        System.out.println(args[0]);
    }
}
```

```
javac Command.java
```

```
java Command 12 90 [It will print 12]
java Command 78.90 67.45 [It will print 78.90]
java Command a b [It will print a]
```

Single time compilation and number of time Execution with different values

WAP to print first and last name by using command line argument :

```
public class PrintNameUsingCommand
{
    public static void main(String [] x)
    {
        System.out.println(x[0]);
    }
}
```

```
javac PrintNameUsingCommand.java
java PrintNameUsingCommand "Virat Kohli" [It will print Virat kohli]
```

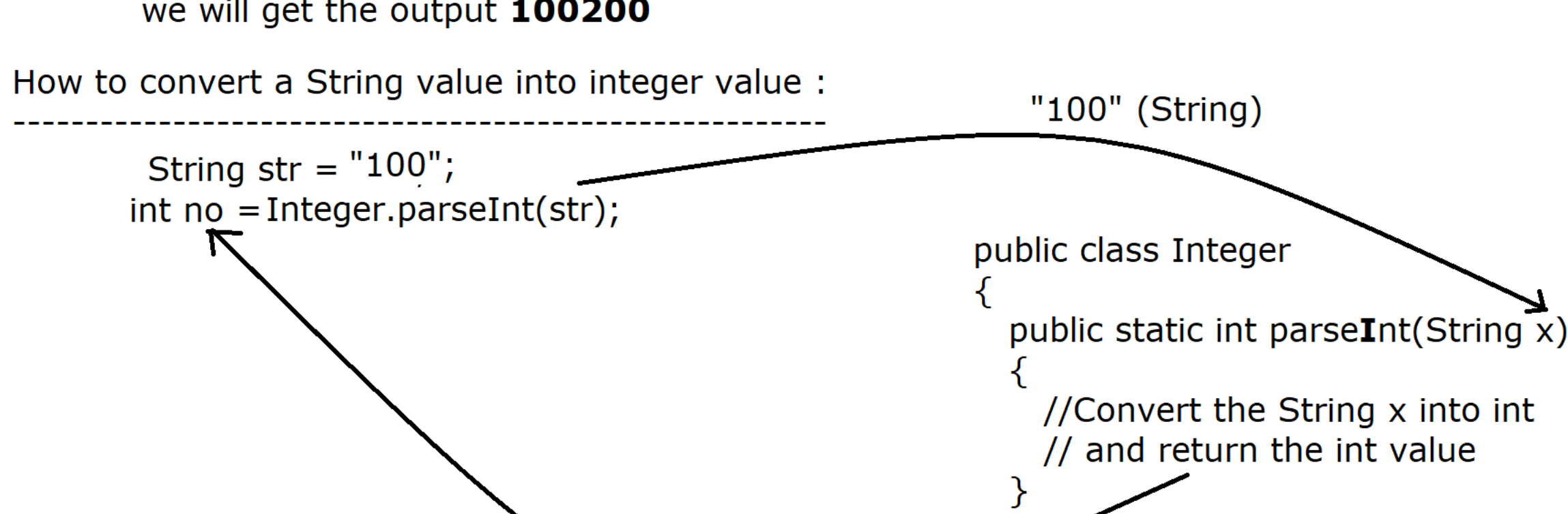
WAP to add two numbers by using command line argument :

```
public class CommandAdd
{
    public static void main(String[] args)
    {
        System.out.println(args[0] + args[1]);
    }
}
```

```
javac CommandAdd.java
java CommandAdd 100 200
```

Note : args array variable which is receiving the value 100 and 200 through command line argument is a String type variable so '+' operator will behave as String concatenation operator hence we will get the output **100200**

How to convert a String value into integer value :



* Integer is a predefined class available in java.lang package.
* It contains a predefined **static method** called **parseInt(String x)**, this `parseInt()` method accept a single parameter of type String, It will convert this String value into corresponding integer value.

//Addition of two number by converting the String into integer

```
public class CommandAddition
{
    public static void main(String[] args)
    {
        //Conevrting the String into Integer

        int x = Integer.parseInt(args[0]);
        int y = Integer.parseInt(args[1]);

        System.out.println("Sum is : "+(x+y));
    }
}
```

WAP to find out the cube of a number by using command line argument :

```
public class CubeOfANum
{
    public static void main(String[] args)
    {
        int num = Integer.parseInt(args[0]);

        System.out.println("Cube of "+num+" is : "+(num*num*num));
    }
}
```

```
javac CubeOfANum.java
java CubeOfANum 5 [Cube of 5 is : 125]
```

How to find out the length of an array ?

* In java, array is an object.
* Whenever we craete an array object in java then to find out the length of an array we have a length property/variable.
* It is by default available, once we create the array object.

Example :

```
int []arr = {10,20,30};
arr.length; --> 3
```

//Programs

```
public class ArrayLength
{
    public static void main(String[] args)
    {
        int []arr = {10,20,30,40,50};
        System.out.println("Array length is : "+arr.length);
    }
}
```

Finding the length of an array by using command line argument :

```
public class FindingLength
{
    public static void main(String[] args)
    {
        System.out.println("Length is : "+args.length);
    }
}
```

```
javac FindingLength.java
java FindingLength [Length is : 0]
java FindingLength 12 [Length is : 1]
java FindingLength 12 89 [Length is : 2]
```