

Command Line Arguments

- We have seen that the method **main** has to be defined as follows:

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

- Through the array argument, the program can get access to the command line arguments

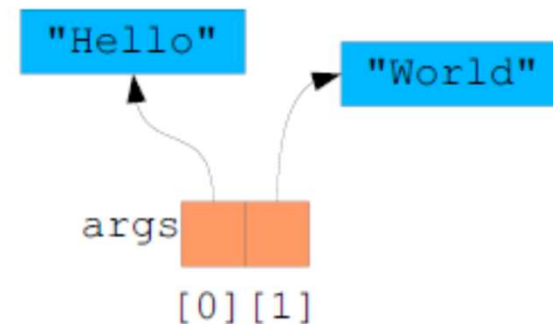
Command Line Arguments

```
class CommandArguments {  
    public static void main(String[] args) {  
        for(int i = 0; i < args.length; i++)  
            System.out.println(args[i]);  
    }  
}
```

```
$ java CommandArguments Hello World  
Hello  
World
```

```
$ java CommandArguments
```

```
$ java CommandArguments I have 25 cents  
I  
have  
25  
cents
```

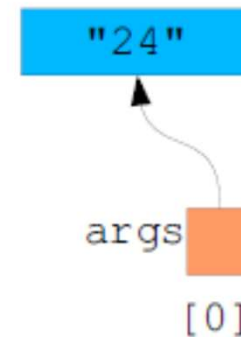
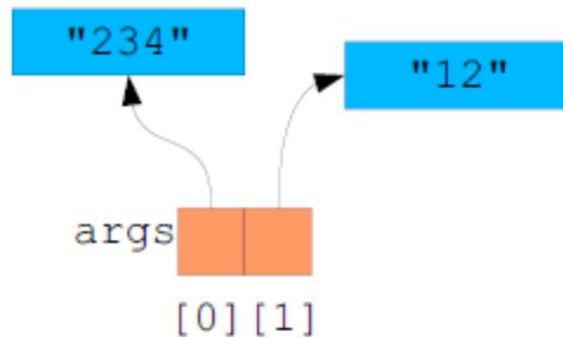


Command Line Arguments

```
class Add {  
    public static void main(String[] args) {  
        if (args.length != 2) {  
            System.out.println("Error");  
            System.exit(0);  
        }  
        int arg1 = Integer.parseInt(args[0]);  
        int arg2 = Integer.parseInt(args[1]);  
        System.out.println(arg1 + arg2);  
    }  
}
```

\$ java Add 234 12
246

\$ java Add 24
Error



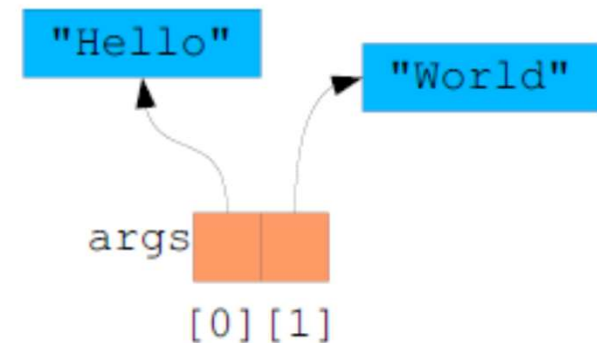
Command Line Arguments

```
class CommandArguments {  
    public static void main(String[] args) {  
        for(int i = 0; i < args.length; i++)  
            System.out.println(args[i]);  
    }  
}
```

```
$ java CommandArguments Hello World  
Hello  
World
```

```
$ java CommandArguments
```

```
$ java CommandArguments I have 25 cents  
I  
have  
25  
cents
```



Accept Input from User

```
import java.util.Scanner;
class firstcode1 {
    public static void main(String[] args) {
        Scanner myObj = new Scanner(System.in);
        System.out.println("Enter Name");
        String userName = myObj.nextLine(); // Read user input
        System.out.println("Hello " + userName); // Output user input
    }
}
```

Assignments

1. Check whether an alphabet is vowel or consonant using if..else statement
2. Check whether an alphabet is vowel or consonant using switch...case statement
3. Check if a Number is Positive or Negative using if else
4. Print multiplication table of 2
5. Print odd numbers from 1 to 20
6. Find largest in an array

Methods

```
public class firstcode {  
    static void myMethod() {  
        System.out.println("Hello World!");  
    }  
  
    public static void main(String[] args) {  
        myMethod();  
    }  
}
```

Methods (Parameters)

```
public class firstcode {  
    static void myMethod(String name) {  
        System.out.println(name);  
    }  
  
    public static void main(String[] args) {  
        myMethod("Suzan");  
        myMethod("Deepak");  
    }  
}
```