

```
> public class Main {
```

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

```
        int[] name_of_list = {1,2,3,4};
```

```
        for (int value : name_of_list) {
```

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

```
        }
```

```
    }
```

```
}
```

Main x

```
/Library/Java/JavaVirtualMachines/jdk-13.jdk/Content
```

```
1
```

```
2
```

```
3
```

```
4
```

```
Process finished with exit code 0
```

```
public class Main {  
  
    public static void main(String[] args) {  
        int[] a = {1,2,3,4};  
        int b = 0;  
        while (b < a.length) {  
            System.out.println(a[b]);  
            b++;  
        }  
    }  
}
```

Main x

```
/Library/Java/JavaVirtualMachines/jdk-13.jdk/Content
```

```
1
```

```
2
```

```
3
```

```
4
```

```
Process finished with exit code 0
```

```
public class Main {
```

```
    public static void main(String[] args) {  
        int[] a = {1,2,3,4};  
        System.out.println(Arrays.toString(a));  
        a = new int[]{1, 2, 3, 4, 5};  
        System.out.println(Arrays.toString(a));  
    }
```

```
}
```

Main > main()

Main ×

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[1, 2, 3, 4]

[1, 2, 3, 4, 5]

Process finished with exit code 0

```
public class Main {
```

```
    public static void main(String[] args) {  
        int[] a = {1,2,3,4};  
        System.out.println(Arrays.toString(a));  
        a = new int[]{1, 2, 3};  
        System.out.println(Arrays.toString(a));  
    }  
}
```

Main ×

```
/Library/Java/JavaVirtualMachines/jdk-13.jdk/Content
```

```
[1, 2, 3, 4]
```

```
[1, 2, 3]
```

```
Process finished with exit code 0
```

```
public class Main {
```

```
    public static void main(String[] args) {  
        int[] a = {1,2,3,4};  
        int b = 0;  
        int c = 3;  
        boolean d = false;  
        while (b < a.length && !d) {  
            if (a[b] == c) {  
                d = true;  
            }  
            else {  
                b++;  
            }  
        }  
        if (d) {  
            System.out.println("Search Successful");  
        }  
        else {  
            System.out.println("Search Unsuccessful");  
        }  
    }  
}
```

Main

Main ×



```
/Library/Java/JavaVirtualMachines/jdk-13.jdk/Contents/H  
Search Successful
```



```
src > com > codewithnassan > Main
.java x
public static void main(String[] args) {
    int[] a = {1,2,3,4};
    int b = 0;
    int c = a.length;
    int d = 3;
    boolean e = false;
    while (b < a.length && !e) {
        int x = ((b+c)/2);
        if (d == a[x]) {
            e = true;
        }
        else if (d < a[x]) {
            b = x-1;
        }
        else {
            b = x+1;
        }
    }
    if (e) {
        System.out.println("Search Successful");
    }
    else {
        System.out.println("Search Unsuccessful");
    }
}
```

```
Main x
/Library/Java/JavaVirtualMachines/jdk-13.jdk/Contents/Home
Search Successful
```