

Example Methods

Lecture Contents

- Examples of Java Methods



```
1 package com.bjfles.unit0.helloworld;
2
3 public class HelloWorld {
4
5     public static void main(String[] args) {
6         System.out.println("Hello Chris!");
7     }
8
9 }
```

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         System.out.println("Starting Program!");
7         myMethod();
8         System.out.println("Program Finished!");
9     }
10
11     public static void myMethod() {
12         System.out.println("Hello again, Chris!");
13     }
14 }
```

```
Starting Program!  
Hello again, Chris!  
Program Finished!
```

```
1 package com.bjfiles.unit0.he  
2  
3 public class MyMethod {  
4  
5     public static void main(String[] args) {  
6         System.out.println("Starting Program!");  
7         myMethod();  
8         System.out.println("Program Finished!");  
9     }  
10  
11     public static void myMethod() {  
12         System.out.println("Hello again, Chris!");  
13     }  
14 }  
15
```

Parameters

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         System.out.println("Starting Program!");
7         myMethod(3);
8         System.out.println("Program Finished!");
9     }
10
11     public static void myMethod(int myInteger) {
12         System.out.println("The number: " + myInteger);
13     }
14 }
```

Parameters

Starting Program!
The number: 3
Program Finished!

```
1 package com.bjfles.unit0.hello
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         System.out.println("Starting Program!");
7         myMethod(3);
8         System.out.println("Program Finished!");
9     }
10
11     public static void myMethod(int myInteger) {
12         System.out.println("The number: " + myInteger);
13     }
14 }
```

Parameters

```
1 package com.bjfles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         System.out.println("Starting Program!");
7         myMethod(3+5);
8         System.out.println("Program Finished!");
9     }
10
11     public static void myMethod(int myInteger) {
12         System.out.println("The number: " + myInteger);
13     }
14 }
```

Parameters

Starting Program!
The number: 8
Program Finished!

```
1 package com.bjfles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         System.out.println("Starting Program!");
7         myMethod(3+5);
8         System.out.println("Program Finished!");
9     }
10
11     public static void myMethod(int myInteger) {
12         System.out.println("The number: " + myInteger);
13     }
14 }
```

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myMethod(myNumber);
9         System.out.println("Program Finished!");
10    }
11
12    public static void myMethod(int myInteger) {
13        System.out.println("The number: " + myInteger);
14    }
15 }
```

Starting Program!
The number: 6
Program Finished!

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myMethod(myNumber);
9         System.out.println("Program Finished!");
10    }
11
12    public static void myMethod(int myInteger) {
13        System.out.println("The number: " + myInteger);
14    }
15 }
```

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myMethod(myNumber*2);
9         System.out.println("Program Finished!");
10    }
11
12    public static void myMethod(int myInteger) {
13        System.out.println("The number: " + myInteger);
14    }
15 }
```

Starting Program!
The number: 12
Program Finished!

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myMethod(myNumber*2);
9         System.out.println("Program Finished!");
10    }
11
12    public static void myMethod(int myInteger) {
13        System.out.println("The number: " + myInteger);
14    }
15 }
```

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myMethod(myNumber);
9         myMethod(myNumber+1);
10        System.out.println("Program Finished!");
11    }
12
13    public static void myMethod(int myInteger) {
14        System.out.println("The number: " + myInteger);
15    }
16 }
```

```
1 package com.bjfiles.unit0.helloworld
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myMethod(myNumber);
9         myMethod(myNumber+1);
10        System.out.println("Program Finished!");
11    }
12
13    public static void myMethod(int myInteger) {
14        System.out.println("The number: " + myInteger);
15    }
16 }
```

Starting Program!
The number: 6
The number: 7
Program Finished!


```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         String myText = "Whatever I want to say";
7         System.out.println("Starting Program!");
8         myMethod(myText);
9         System.out.println("Program Finished!");
10    }
11
12    public static void myMethod(String myString) {
13        System.out.println("The text: " + myString);
14    }
15 }
```

Starting Program!

The text: Whatever I want to say
Program Finished!

```
1 package com.bjfiles.  
2  
3 public class MyMethod {  
4  
5     public static void main(String[] args) {  
6         String myText = "Whatever I want to say";  
7         System.out.println("Starting Program!");  
8         myMethod(myText);  
9         System.out.println("Program Finished!");  
10    }  
11  
12    public static void myMethod(String myString) {  
13        System.out.println("The text: " + myString);  
14    }  
15 }
```

```
1 package com.bjfiles.unit0.helloworld;
2
3 public class MyMethod {
4
5     public static void main(String[] args) {
6         String myText = "Whatever I want to say";
7         System.out.println("Starting Program!");
8         myMethod(myText);
9         System.out.println("Program Finished!");
10    }
11
12    public static void myMethod(String myString) {
13        System.out.println("The text: " + myText);
14    }
15 }
```

Exception in thread "main" java.lang.Error: Unresolved compilation problem:
myText cannot be resolved to a variable

at com.bjfles.unit0.helloworld.MyMethod.myMethod(MyMethod.java:13)
at com.bjfles.unit0.helloworld.MyMethod.main(MyMethod.java:8)

```
4
5 public static void main(String[] args) {
6     String myText = "Whatever I want to say";
7     System.out.println("Starting Program!");
8     myMethod(myText);
9     System.out.println("Program Finished!");
10 }
11
12 public static void myMethod(String myString) {
13     System.out.println("The text: " + myText);
14 }
15 }
```

```
1 package com.bjfles.unit0.helloworld;
2
3 public class MyMethod {
4
5     static String myText = "Whatever I want to say";
6
7     public static void main(String[] args) {
8         System.out.println("Starting Program!");
9         myMethod();
10        System.out.println("Program Finished!");
11    }
12
13    public static void myMethod() {
14        System.out.println("The text: " + myText);
15    }
16 }
```

```
1 package com.bjfiles.
2
3 public class MyMethod
4
5     static String myText = "Whatever I want to say";
6
7     public static void main(String[] args) {
8         System.out.println("Starting Program!");
9         myMethod();
10        System.out.println("Program Finished!");
11    }
12
13    public static void myMethod() {
14        System.out.println("The text: " + myText);
15    }
16 }
```

```
1 package com.bjfles.unit0.helloworld;
2
3 public class MyReturn {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myNumber = myReturn(myNumber*2, 4+5);
9         System.out.println("The number: " + myNumber);
10        System.out.println("Program Finished!");
11    }
12
13    public static int myReturn(int myInt1, int myInt2) {
14        return myInt1 + myInt2;
15    }
16 }
```

```
1 package com.bjfles.unit0.helloworld;
2
3 public class MyReturn {
4
5     public static void main(String[] args) {
6         int myNumber = 6;
7         System.out.println("Starting Program!");
8         myNumber = myReturn(myNumber*2, 4+5);
9         System.out.println("The number: " + myNumber);
10        System.out.println("Program Finished!");
11    }
12
13    public static int myReturn(int myInt1, int myInt2) {
14        return myInt1 + myInt2;
15    }
16 }
```

Starting Program!
The number: 21
Program Finished!

Example Methods