

Report

1 reflection

I get familiar with the three ways to compile a program, learn the basics of running a program and how to create class object and run it.

2 Screenshots

Part 1

I create a "Hello World" Java program with my text editor(bbedit)

```
~/Desktop/HelloWorld.java ↕
```

```
1 class HelloWorld {  
2     public static void main(String[] args) {  
3         System.out.println("Hello, World!");  
4     }  
5 }
```

■ Use the `javac` command to

compile the text file to a .class file

```
Desktop — karenaz@Karens-Air — ~/desktop — zsh — 80x24  
Last login: Thu Jan 12 14:16:44 on ttys000  
karenaz ~  
pwd  
/Users/karenaz  
karenaz ~  
cd desktop  
karenaz ~/desktop  
javac HelloWorld.java  
karenaz ~/desktop
```

run the application using the java command.

```

[karenaz ~] java HelloWorld
Hello, World!
[karenaz ~]

```

Part 2

I use a search engine locate 2 cloud compilers to create a "Hello World" application in each.

Main.java	Output
<pre>1 // Keke Zhang 2 // CS5004 3 4 class HelloWorld { 5 public static void main(String[] args) { 6 System.out.println("Hello, World!"); 7 } 8 }</pre>	<pre>java -cp /tmp/EAf2nVBtA HelloWorld Hello, World!</pre>

Online Java Compiler IDE

For Multiple Files, Custom Library and File Read/Write, use our new - [Advanced](#)

```
1 //Keke Zhang
2 //cs5004
3
4 public class Main {
5     public static void main(String[] args) {
6         System.out.println("Hello World");
7     }
8 }
```

Execute Mode, Version, Inputs & Arguments

JDK 17.0.1 ☐ Interactive Stdin Inputs

CommandLine Arguments

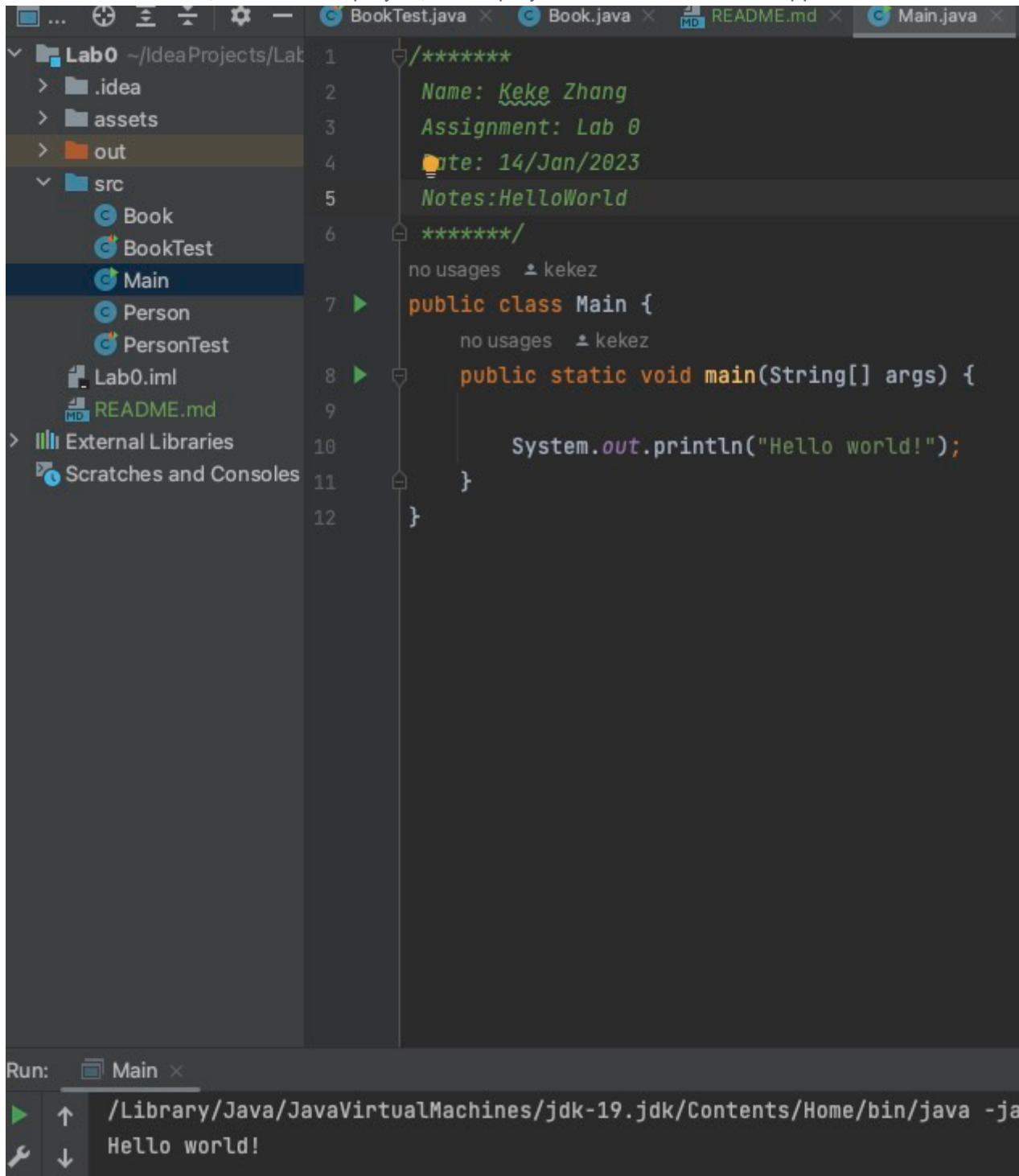
Result

CPU Time: 0.11 sec(s), Memory: 31980 kilobyte(s)

```
Hello World
```

Part 3

I installed the IntelliJ, and create a project, in this project create a Hello world application.



```
1  /*****
2  Name: Keke Zhang
3  Assignment: Lab 0
4  Date: 14/Jan/2023
5  Notes: HelloWorld
6  *****/
7  public class Main {
8      public static void main(String[] args) {
9
10         System.out.println("Hello world!");
11     }
12 }
```

Run: Main x

/Library/Java/JavaVirtualMachines/jdk-19.jdk/Contents/Home/bin/java -ja
Hello world!

Part 4

Java Tutorial for Beginners

<https://www.youtube.com/watch?v=elrMbAQSU34> This is a popular video of Java tutorial for Beginners in Youtube, in this video I will learn enough Java basic knowledge.

[Coursera](#) This is another popular platform where I can find a lot of resources to learn Java, and it provides some learning resources from tech companies like Google, and top universities like Harvard.

[Udemy](#) I love this website because it is a good website to learn Java and coding online. it provides a lot of free courses like Java and programming.

[Codecademy](#) It provides an IDE that I can not only code but also can check my program by debugging it.

3 Extension

I create my own class object and test class (Dog.java and DogTest.java) I submit my con code as a Github link instead.

4 Grading Statement

Based on the rubric, i think i could get 28-29