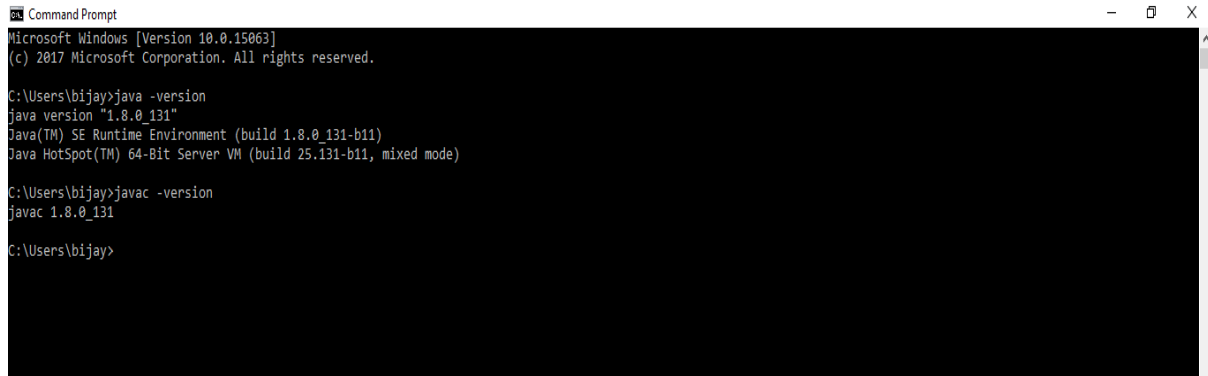


ASSIGNMENT 1: LAB 0

Q1: What is the version of your Java Compiler?

Ans:



```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\bijay>java -version
java version "1.8.0_131"
Java(TM) SE Runtime Environment (build 1.8.0_131-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.131-b11, mixed mode)

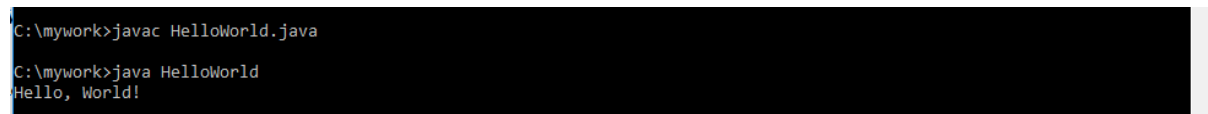
C:\Users\bijay>javac -version
javac 1.8.0_131

C:\Users\bijay>
```

→ javac -version 1.8.0_131

Q2: What is the command / syntax of compiling a Java programme and running a Java programme?

Ans:



```
C:\mywork>javac HelloWorld.java

C:\mywork>java HelloWorld
Hello, World!
```

Q3: What is the difference between the Java Development Kit (JDK) and the Java Runtime Environment (JRE)?

Ans:

Java SE Runtime Environment (JRE)

The JRE provides the libraries, Java virtual machine, and other components necessary for you to run applets and applications written in the Java programming language. This runtime environment can be redistributed with applications to make them free-standing.

Java SE Development Kit (JDK)

The JDK includes the JRE plus command-line development tools such as compilers and debuggers that are necessary or useful for developing applets and applications.

Q4: Write a Java programme which reads from the keyboard the following user input:

- two integers,
- two float values and
- two string values ("123", "999").

Ans:

```
import java.util.Scanner;

public class UserInput
{
    public static void main(String args[])
    {
        int a,b;

        float c,d;

        String e,f;

        float sum;

        Scanner sc = new Scanner(System.in);

        //input of two integer values

        System.out.println("Enter Two Integer Values");

        a= sc.nextInt();

        b=sc.nextInt();


        //input of two float values

        System.out.println("Enter Two Float Values");

        c=sc.nextFloat();

        d=sc.nextFloat();
```

OBJECT ORIENTED PROGRAMMING LAB

```
//input of two string values
```

```
System.out.println("Enter Two String Values as Numbers");
```

```
e=sc.next();
```

```
f=sc.next();
```

```
//conversion of string values to integer type
```

```
int x = Integer.parseInt(e);
```

```
int y = Integer.parseInt(f);
```

```
//addition
```

```
sum=a+b+c+d+x+y;
```

```
System.out.println("The Total Sum is " +sum);
```

```
}
```

```
}
```

OUTPUT :

