



## **CSE 215L: Programming Language II Lab**

**Section: 7, Fall 2020**

**Lab Officer:** Tasmia Rahman Shahidi

**Email:** [tasmia.shahidi@northsouth.edu](mailto:tasmia.shahidi@northsouth.edu)

**Class hours:** (ST) 4:20 PM - 5:50 PM

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### **Download Instructions:**

1. To execute a Java program, you need JRE (Java Runtime Environment) to be installed in your system.
2. To execute Java code, you need JDK (Java Development Kit) to be installed.
3. When you install JDK -JRE comes as bundled.
4. To write Java code, you can use any text editor like Notepad or sublime text. However, in that case you will need to compile the code from the command prompt and execute it from there. That's where IDE (Integrated Development Environment) comes in handy. From an IDE you can write code, compile and execute it. For this course we will be using Eclipse as our IDE.
5. We will use JDK to compile and execute our code. So first, we will install JDK.
6. Go to this URL:  
<https://www.oracle.com/technetwork/java/javase/downloads/index.html>  
Accept license agreement and download appropriate JDK version (jdk-11.0.9).
7. Once downloaded, run it to begin the installation procedure. The process may take a while depending on your system specification.
8. Now go to this URL: <https://www.eclipse.org/downloads/packages/>  
Choose 32/64-bit version based on your system. Once downloaded, install and run Eclipse.

**Scanner Class:**

Java Scanner class comes under the java.util package. Java has various ways to read input from the keyboard, the java.util.Scanner class is one of them.

**Example:**

```
import java.util.Scanner;
//importing java Scanner class
public class lab1
{
    public static void main(String[] arg)
    {
        Scanner num = new Scanner(System.in);
        //creating scan object which can take input from the user
        int i, j;
        System.out.println("Enter a number:");
        i = num.nextInt();
        System.out.println("Enter another number:");
        j = num.nextInt();
        System.out.println("The numbers are: " + i + "&" + j);
    }
}
```

**Tasks:**

1. Write a program that prints your name, age and department.
2. Write a program that prints from 1 to 10.
3. Write a program that determines if an integer is odd or even
4. Write a program that takes four integer inputs from the user and prints the average.
5. Write a program that determines if an integer is prime.