IS 2104 – Rapid Application Development
Lab sheet 01

1. Download Java
   a. Go to https://www.oracle.com/
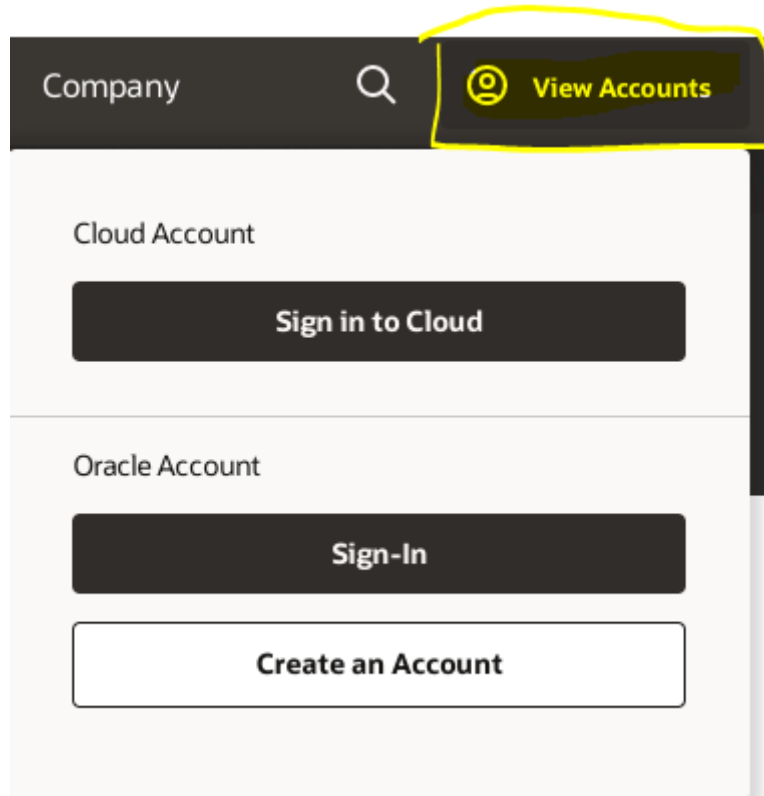   b. Create a Oracle Account

   c. Download and Install Java
      (under Products Menu, You can find Java Hardware and Software Section)

   d. Verify Java installation.
      (in Command Prompt, type **Java** and see whether it displayed the list)

2. Setting the path
This PC → Properties → Environment Variables →[Copy the path to JDK bin folder]
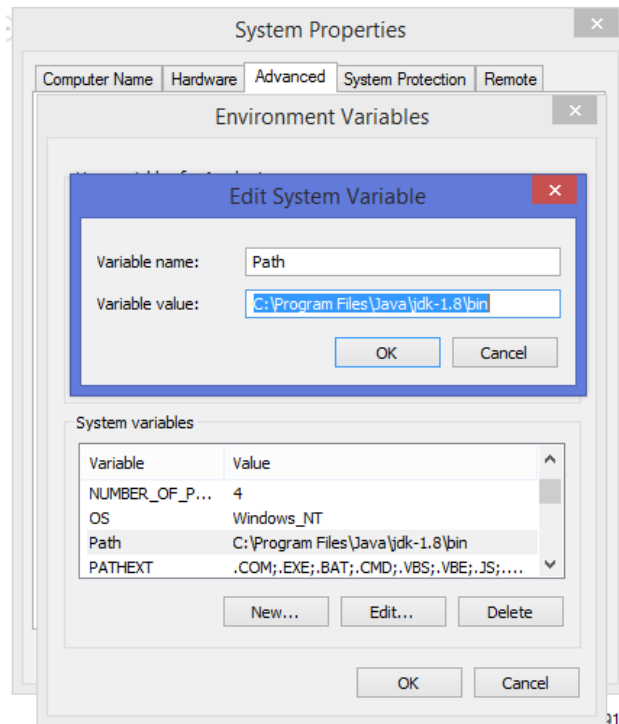
3. First Java Program


```
class Hello{
    public static void main(String args[]){
        System.out.println("Hello World!");
    }
}
```

i) Type the above program.
ii) Save the program (**Hello.java**)
iii) Go the location of the program stored. (***cd desktop***)
iv)Compile the program (**javac Hello.java**)
v) Run the program (**java Hello**)

Program Structure
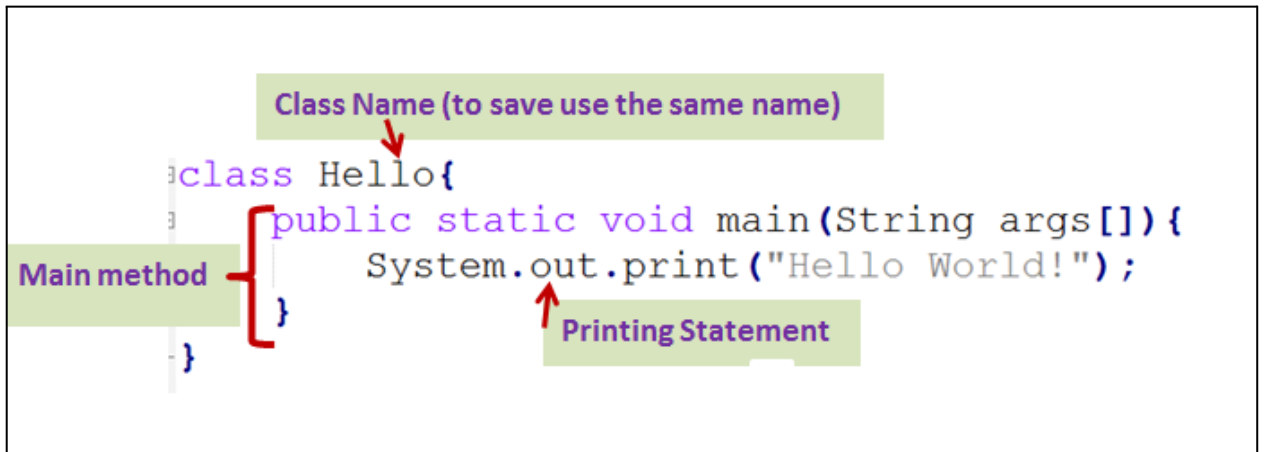
System.out.println→with a line break
System.out.print→without a line break

Activity

1) Type a simple program to display your name.
2) Type a simple program to display your name and university in two lines.
3) Type the following program and get the output.

```
Total.java
1  class Hello{
2      public static void main(String args[]){
3          int x=10;
4          int y=20;
5          System.out.print(x+y);
6      }
7  }
8
```

4) Modify the above program to display other mathematical operations for x and y.
   (Subtraction,Multiplication,Division,Modulus)

5) Declare the following variables in a program and display all.
   Hint: **System.out.println(myNum);**

```
int myNum = 5;              // Integer (whole number)
float myFloatNum = 5.99f;   // Floating point number
char myLetter = 'D';        // Character
boolean myBool = true;      // Boolean
String myText = "Hello";    // String
```

6) Code the following programs and fix errors.

```
class Welome{
    public static void main(String args[]){
        system.out.print("Welcome to World of Java");
    }
}
```

```
class Student{
    public static void main(String args[]){
        int studentName=Kavindu;
        String marks=80;
        System.out.println(studentName);
        System.out.println(marks);

    }
}
```