# Lab 1\_final

1. Execute the Hello World program and the modifications to it as given in slides Java\_Lec1.

*Slide number*: 33, 34, 35, 36

- 2. Ensure that you change the Javadoc comments when you change the code
- 3. Obtain the Javadoc html file for your code
- 1. Modify the code made above to incorporate the following
  - a. Your program should take the following inputs from the user. Sample lines of code using Scanner class are given below. You will need to use a relevant method in place of the nextLine() method (nextInt(), nextDouble()..)
    - i. Number of students (int)
    - ii. Marks for each student (double)
  - b. Output should be
    - i. Highest marks
    - ii. Percentage marks for all students wrt to the maximum marks

# Example: if the input is 5 10.0 20.0 5.0 20.0 Output should be Highest is 20.0

Marks as percentage

50

100

25

100

# **Example 1: Read a Line of Text Using Scanner**

```
import java.util.Scanner;

class Main {
    public static void main(String[] args) {

        // Creates an object of Scanner
        Scanner input = new Scanner(System.in);

        System.out.print("Enter your name: ");

        // Takes input from the keyboard
        String name = input.nextLine();

        // Prints name
        System.out.println("My name is " + name);

        // Closes the scanner
        input.close();
    }
}
```

## Output

Enter your name: Jack
My name is Jack

### Javadoc\_from Eclipse

To generate Java docs for your project you need to write the required information about the field, method or class as.

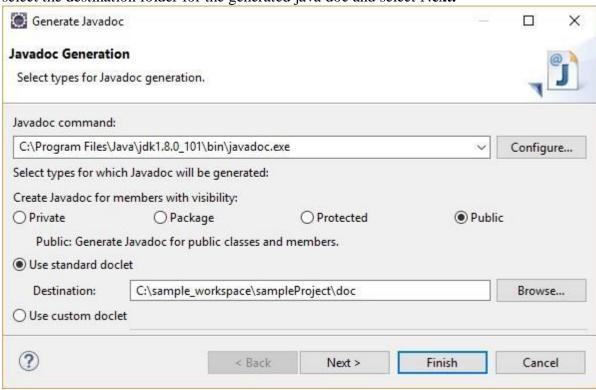
```
/**
    *
    * The method prints a simple message on the Console.
    *
*/
```

Then to generate the document follow the steps given below –

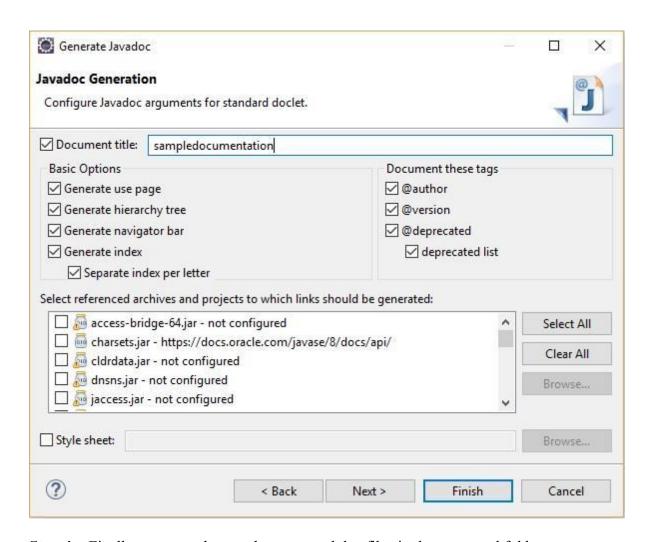
**Step 1** – Open eclipse, select the option Project  $\rightarrow$ Generate Javadoc.



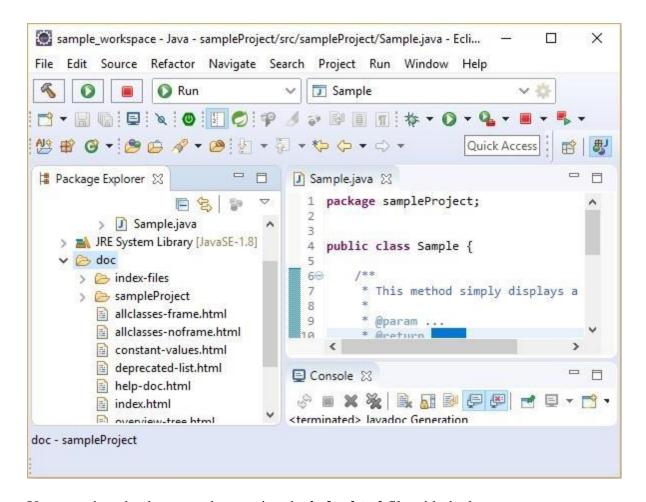
**Step 2** – Select the javadoc.exe file from the bin folder of java installation directory, select the destination folder for the generated java doc and select **Next.** 



**Step 3** – Type the title of the documentation in the **Document title** and select the finish button.



**Step 4** – Finally, you can observe the generated doc files in the generated folder.



You can view the document by opening the **index.html** file with the browser.

