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| **National University of Computer and Emerging Sciences** |
| Lab Manual  “Classes, Objects and Association” |
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| Object Oriented Analysis and Design |
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Department of Computer Science

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For understanding of Java Programming language refer to the following link.

[Java Basic Syntax](https://www.tutorialspoint.com/java/java_basic_syntax.htm)

**Question 1**

Create a .java file named HelloWorld.java that prints Hello World on the console.

**Question 2**

Create a JAVA project name as OOAD lab then create a class name as lab1. Write a sort function which receives an integers array and a Boolean value, sort received array according to Boolean value, if Boolean value is 0 then ascending and if 1 then descending order.

Write a main program which creates an integer array of size 10, then generate 10 random numbers (1-50) and save them in integer array. For Boolean value generate random number from 0-1 (do not use build-in sorting function).

Write both functions in lab1 class.

int [] arry = new int[10];

Use following line to import Random number class

import  **java**.**util**.**Random;**

