

## **Java Lab Programs ( Section C and D , 2<sup>nd</sup> year, CSE)**

### **Lab 1:**

Program 1: Write Simple Java Program to print “Hello World!” string using Eclipse Platform. Explain working of each and every line of program. Give Brief introduction of Eclipse Platform.

### **Lab 2:**

Write and implement following Java Programs using Command line argument.

Program 2: Fibonacci Series in Java

Program 3: Prime Number Program in Java

Program 4: Palindrome Program in Java

Program 5: Factorial Program in Java

Program 6: Java program to find largest of 3 numbers

### **Lab 3:**

Program 7: Write and implement java program to create class and object initialization by the 3 methods i.e. using class reference variable, using methods, using constructors.

Program 8: Write and implement java program to in-built methods and User defined methods.

Program 9: Write and implement java program to instance methods and static methods.

### **Lab 4:**

Program 10: Write a Java Program to implement Inheritance: Single, Multilevel and Hierarchical

Program 11: Write a java program to implement compile time polymorphism using method overloading.

Program 12: Write a java program to implement run time polymorphism using method overriding.

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Sample:

Lab1 : Program 1
Aim: Write Simple Java Program to print “Hello World!”
Software Used: Eclipse
Algorithm/Program Description:
Code:
Output( Snapshot):

Note: 1. Implement all above 12 programs and get ready your java lab file to be checked before 5<sup>th</sup> may.

2. Don't forget to add the front page and the index page in lab file, already shared in Whatsapp official group.