St. Francis Institute of Technology, Mumbai-400 103

Department Of Information Technology

A.Y. 2023-2024

Class: SE-ITA/B, Semester: III

Subject: **Java Labs**

Experiment 12

1. Aim: Write a program to demonstrate java AWT.

    Q1:Write a program to implement TextArea with ActionListener
    Q2:Write a program to implement CheckBox with ItemListener
    Q3:Write a program to implement choice example with ActionListener

2. Prerequisite: Knowledge of AWT and Event Handling in Java.

3. Requirements: Personal Computer (PC), Windows Operating System, JDK 1.8 and above

and Netbeans IDE.

4. Pre-Experiment Exercise:

Theory:

Event handling by implementing ItemListener

•The Java ItemListener is notified whenever you click on the checkbox or choice

•It is notified against ItemEvent.

•The ItemListener interface is found in java.awt.event package.

•It has only one method: itemStateChanged().

•itemStateChanged() method

•The itemStateChanged() method is invoked automatically whenever you click or unclick on the registered checkbox component.

public abstract void itemStateChanged(ItemEvent e);

A. Procedure

i. Open Notepad++.

ii. Type the code and save it.

iii. Open cmd and explore till the folder where the code resides..

iv. To compile the code use :javac classname.java

v. To run the code use:java.classname

6. Post-Experiments Exercise

A. Questions/Programs:

i. Write a AWT Program to create a Student Profile form using AWT controls.

C. Conclusion:

1. Write what was performed in the experiment/program.

2. What is the significance of experiment/program?

3. Mention few applications of what was studied.

D. References

1. Balguruswamy, "Programming with java A primer", Fifth edition, Tata McGraw Hill Publication.

2. Let Us Java-Yashwant Kanetkar.

3. Learn to Master JAVA, from Star EDU solutions , by ScriptDemics.

4. Java 8 Programming-Black Book,by-Dreamtech Publications.

5. www.programmingsimplified.com

6. www.javatpoint.com