Experiment 4

Q) Write a program to show three JCheckbox having captions Java, C, C++. Use ItemListener to show the message "you have selected Java/C/C++,,

=>import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ItemEvent;

import java.awt.event.ItemListener;

public class CheckBoxExample {

public static void main(String[] args) {

JFrame frame = new JFrame("CheckBox Example");

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

JPanel panel = new JPanel(new GridLayout(3, 1));

JCheckBox javaCheckBox = new JCheckBox("Java");

JCheckBox cCheckBox = new JCheckBox("C");

JCheckBox cppCheckBox = new JCheckBox("C++");

JTextField selectedLanguagesField = new JTextField(30);

selectedLanguagesField.setEditable(false);

ItemListener itemListener = new ItemListener() {

public void itemStateChanged(ItemEvent e) {

StringBuilder selectedLanguages = new StringBuilder();

if (javaCheckBox.isSelected()) {

selectedLanguages.append("Java ");

}

if (cCheckBox.isSelected()) {

selectedLanguages.append("C ");

}

if (cppCheckBox.isSelected()) {

selectedLanguages.append("C++ ");

}

selectedLanguagesField.setText(selectedLanguages.toString().trim());

}

};

javaCheckBox.addItemListener(itemListener);

cCheckBox.addItemListener(itemListener);

cppCheckBox.addItemListener(itemListener);

panel.add(javaCheckBox);

panel.add(cCheckBox);

panel.add(cppCheckBox);

panel.add(selectedLanguagesField);

frame.add(panel);

frame.setSize(300, 200);

frame.setVisible(true);

}

}

