School of Information Technology & Engineering

Winter Semester 2021-2022

ITA5004 – Object Oriented Programming using JAVA

DIGITAL ASSIGNMENT-05

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SLOT:L3+L4

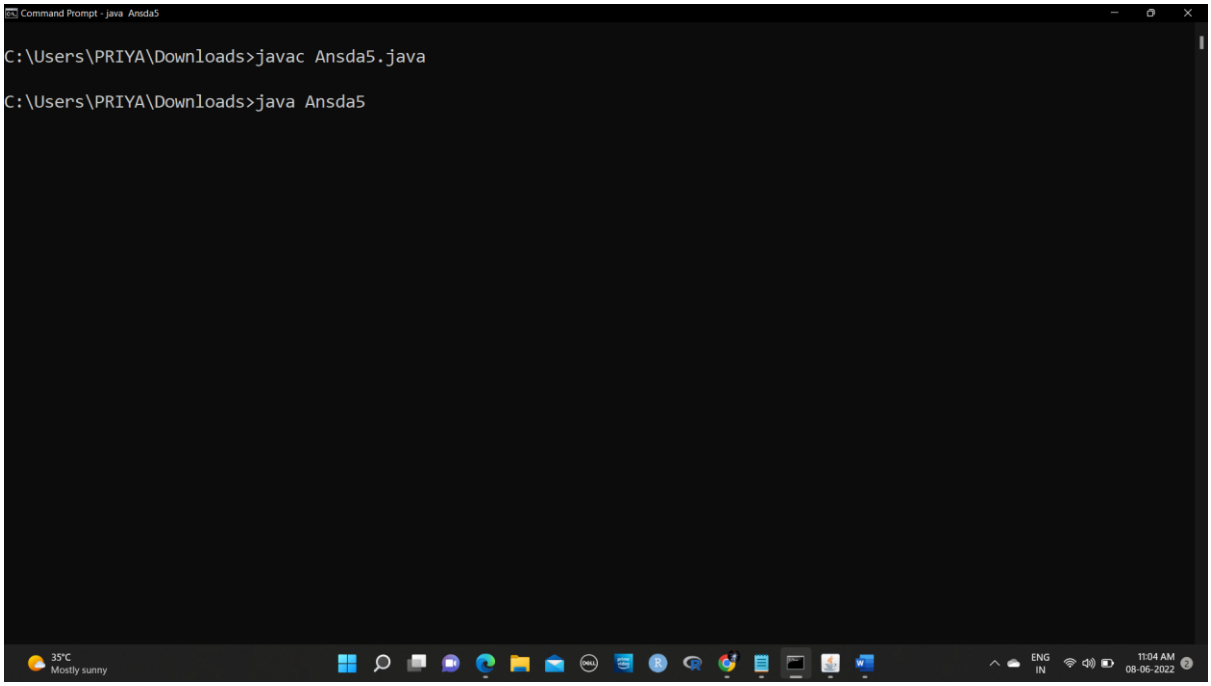
1.Design a GUI using AWT/SWING controls for any application of your choice with appropriate event handling. (Use Frame,Panel, Label, TextField, TextArea, Button, CheckBox/JRadioButton, Lists, ComboBox, Menu, etc.)

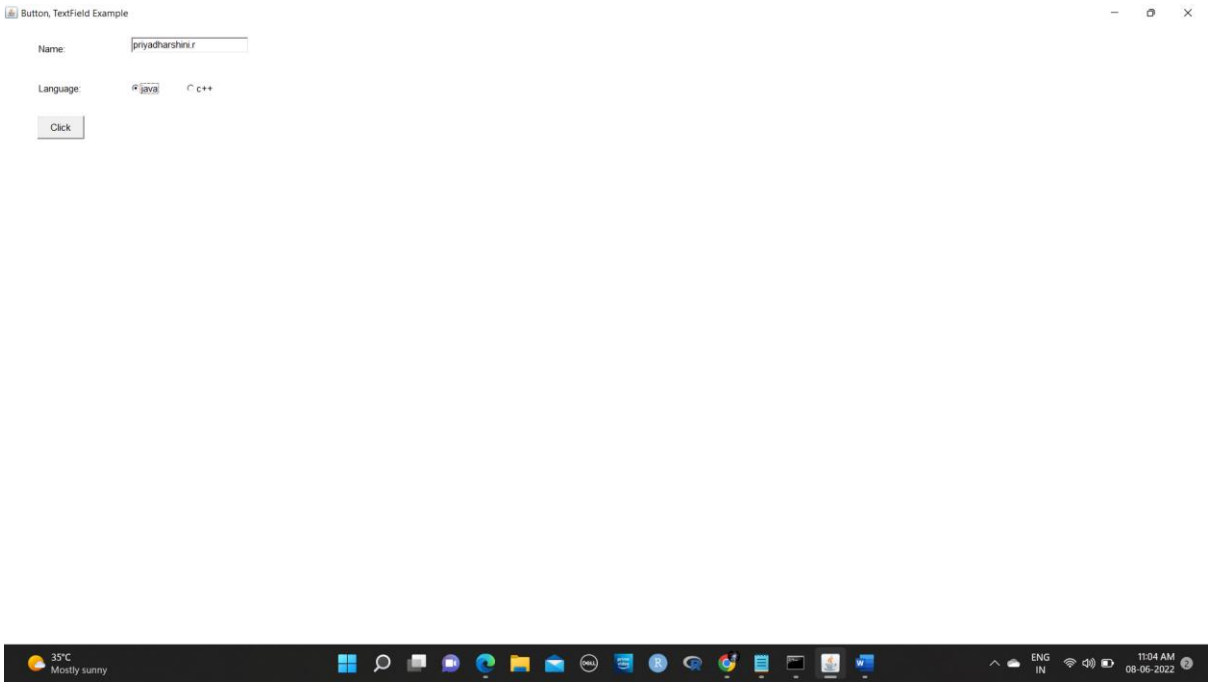
CODE:

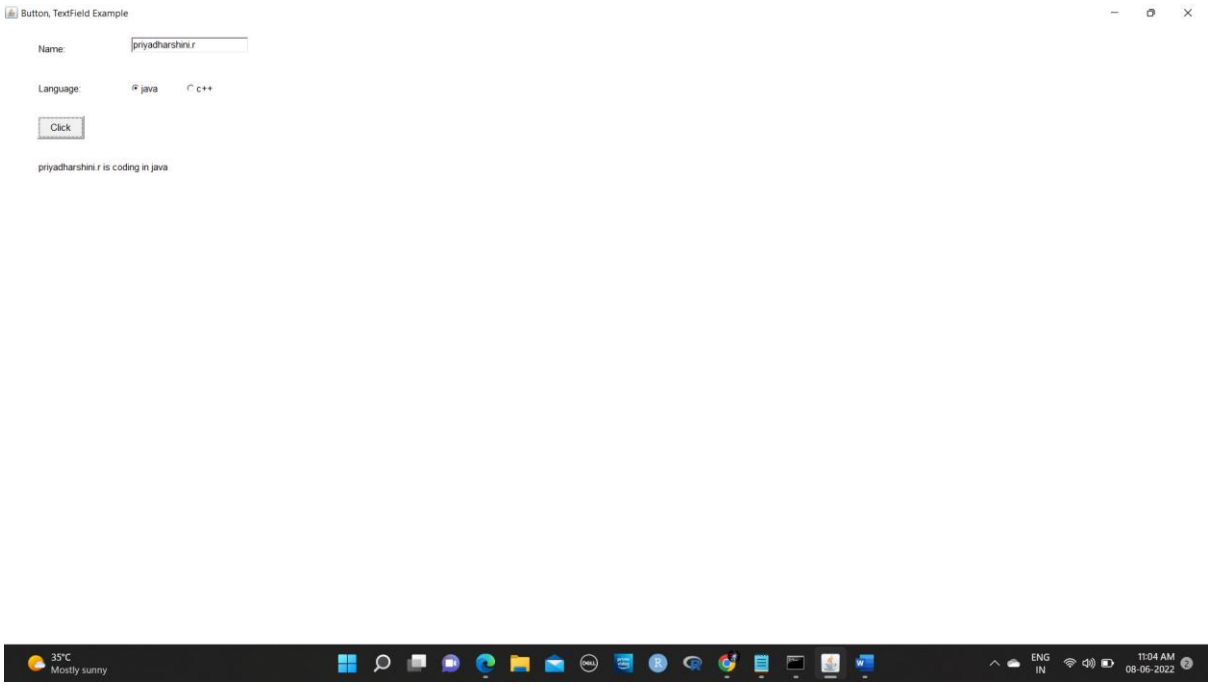
```
import java.awt.*;

import java.awt.event.*;

class Ansda5

{

public static void main(String args[]){

Frame f = new Frame("Button, TextField Example"); TextField tf = new TextField();

Label l1 = new Label();

Label l2 = new Label("Language: "); Label l3 = new Label("Name: "); Button b = new Button("Click");

CheckboxGroup cbg = new CheckboxGroup();

Checkbox cb1 = new Checkbox("java",false,cbg);

Checkbox cb2 = new Checkbox("c++",false,cbg);

l3.setBounds(50,50,100,30);

tf.setBounds(170,50,150,20);

l2.setBounds(50,100,100,30);

cb1.setBounds(170,100,50,30);

cb2.setBounds(240,100,50,30);

b.setBounds(50,150,60,30);

l1.setBounds(50,200,200,30);
```

```
b.addActionListener(new ActionListener(){
public void actionPerformed(ActionEvent e){
String name = tf.getText();
String language = cb1.getState() ? "java" : "c++";
l1.setText( name + " is coding in " + language);
}
});
f.add(l1);
f.add(l2);
f.add(l3);
f.add(b);
f.add(tf);
f.add(cb1);
f.add(cb2);
f.setSize(400,300);
f.setLayout(null);
f.addWindowListener(new WindowAdapter(){
public void windowClosing(WindowEvent we){
System.exit(0);
}
});
f.setVisible(true);
}
}
```

OUTPUT:


Command Prompt - java Ansda5
C:\Users\PRIYA\Downloads>javac Ansda5.java
C:\Users\PRIYA\Downloads>java Ansda5
35°C
Mostly sunny
ENG
IN
11:04 AM
08-06-2022


Button, TextField Example
Name:
priyadharshini.r
Language:
java
c++
Click
35°C
Mostly sunny
ENG
IN
11:04 AM
08-06-2022


Button, TextField Example
Name:
priyadharshini.r
Language:
java
c++
Click
priyadharshini.r is coding in java
35°C
Mostly sunny
ENG
IN
11:04 AM
08-06-2022