

PUNE - 411043

Department of Electronics & Telecommunication

ASSESMENT YEAR: 2021-2022 CLASS: TE V

SUBJECT: Advanced Java Programming

Assg No: 01 Roll No: 32147 Date:

Programmer Name: Neha Kamalakar Nemade

Batch: L-5

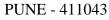
Problem Statement:

Write a program to create a frame using AWT. 1) Association method 2) Inheritance Method

1)Association method:

Code→

```
package ajp_codes;
import java.awt.Button;
import java.awt.Color;
import java.awt.Font;
import java.awt.Frame;
import java.awt.event.WindowAdapter;
import java.awt.event.WindowEvent;
//Frame creation by inheritance method
class myframe
// initializing using constructor
myframe()
   // creating a Frame
   Frame f = new Frame();
   //creating a button
   Button b = new Button("Click Here!!");
   b.setBackground(Color.CYAN);
   // adding button into frame
   f.add(b);
   // now frame will be visible, by default it is not visible
   f.setVisible(true);
   // frame size 600 width and 600 height
   f.setSize(600,600);
   // setting the location of Frame
   f.setLocation(100,50);
   // setting the title of Frame
  f.setTitle("MyFrame");
  f.setResizable(false);
// f.setBackground(Color.CYAN);
   f.addWindowListener(new WindowAdapter(){
       public void windowClosing(WindowEvent e)
```





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```
{
    f.dispose();
}
});

public class code3 {

    public static void main(String[] args)
    {
        // TODO Auto-generated method stub
        System.out.println("Name: Neha Kamalakar Nemade\nRoll no: 32147");
        myframe obj=new myframe();
    }
}
```

Output:

```
Button b = new Button("Click Here!!");
        b.setBackground(Color.CYAN);
         // adding button into frame
        f.add(b);
                                                                                               MyFrame
        // now frame will be visible, by default it is not visible
         f.setVisible(true);
         // frame size 600 width and 600 height
        f.setSize(600,600);
// setting the location of Frame
        f.setLocation(100,50);
        // setting the title of Frame
         f.setTitle("MyFrame");
 32
33 //
        f.setResizable(false);
          f.setBackground(Color.CYAN);
        f.addWindowListener(new WindowAdapter(){
    public void windowClosing(WindowEvent e)
 38
              f.dispose();
        });
41 }
42 }
                                                                                                                                         Click Here!!
43 public class code3 {
44
45⊖
           public static void main(String[] args)
 46
               // TODO Auto-generated method stub
System.out.println("Name: Neha Kamalakar Nemade\nRoll no: 32147");
<u>2</u>47
 48
49
               myframe obj=new myframe();
50
51 }
💽 Problems 🍘 Javadoc 🖳 Declaration 📮 Console 🛭
code3 [Java Application] C:\Program Files\Java\jdk-14\bin\javaw.exe (28-Apr-2022, 11:20:44 pm)
Name: Neha Kamalakar Nemade
Roll no: 32147
```

2)Inheritance method:

Code:



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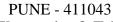
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```
package ajp_codes;
import java.awt.*;
import java.awt.event.WindowAdapter;
import java.awt.event.WindowEvent;
//Frame creation by inheritance method
//extending Frame class to our class Myframe
class Myframe extends Frame
// initializing using constructor
Myframe()
//creating a button
Button b = new Button("Click Here!!");
// adding button into frame
add(b);
// now frame will be visible, by default it is not visible
setVisible(true);
// frame size 600 width and 600 height
setSize(600,600);
// setting the location of Frame
setLocation(100,50);
// setting the title of Frame
setTitle("MyFrame");
setResizable(false);
this.addWindowListener(new WindowAdapter(){
             public void windowClosing(WindowEvent e)
                    dispose();
      });
}
public class code4
public static void main(String[] args)
      // TODO Auto-generated method stub
      // creating instance of Frame class
      System.out.println("Name: Neha Kamalakar Nemade\nRoll no: 32147");
      Myframe obj=new Myframe();
}
}
```





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OUTPUT→

