PUNE INSTITUTE OF COMPUTER TECHNOLOGY



PUNE - 411043

Department of Electronics & Telecommunication

ASSESMENT YEAR: 2021-2022 CLASS: TE V

SUBJECT: Advanced Java Programming

Assg No: 6 Roll No: 32147 Date:

Programmer Name: Neha Kamalakar Nemade

Batch: L5

Problem Statement: Write a program in Java to demonstrate status of key on GUI such as KeyPressed, KeyReleased, KeyTyped. Use Key listener interface

Code:

```
package ajp codes;
package java_assign;
import java.awt.*;
import java.awt.event.*;
public class assign6 extends Frame implements KeyListener
       TextField keyfld;
       Label lbl1;
       Panel mainPanel;
       public assign6()
               setSize(500,500);
               setVisible(true);
               setTitle("Key Events");
               setLocationRelativeTo(null);
               setLayout(null);
               addComponents();
               this.addWindowListener(new WindowAdapter()
                       public void windowClosing(WindowEvent e)
                               dispose();
                });
       public void addComponents()
               Font f = new Font("verdena",Font.BOLD,35);
               mainPanel = new Panel();
               mainPanel.setLayout(null);
               mainPanel.setBackground(Color.GRAY);
               mainPanel.setBounds(0,0,500,500);
               add(mainPanel);
```

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```
lbl1 = new Label("Key Events");
             lbl1.setBounds(20,50,200,25);
             lbl1.setForeground(Color.black);
             lbl1.setFont(new Font("verdena",Font.BOLD,20));
             mainPanel.add(lbl1);
             keyfld = new TextField();
             keyfld.setBounds(20,80,460,40);
             keyfld.setBackground(Color.white);
             keyfld.setForeground(Color.black);
             keyfld.setFont(f);
             mainPanel.add(keyfld);
             keyfld.addKeyListener(this);
public static void main(String[] args)
   new assign6();
}
     @Override
     public void keyTyped(KeyEvent e) {
             // TODO Auto-generated method stub
             System.out.println("Key typed");
             keyfld.setText("Key typed");
     @Override
     public void keyPressed(KeyEvent e) {
             // TODO Auto-generated method stub
             System.out.println("Key Pressed");
             keyfld.setText("Key Pressed");
     @Override
     public void keyReleased(KeyEvent e) {
             // TODO Auto-generated method stub
             System.out.println("Key Released");
             keyfld.setText("Key Released");
     }
```

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Output:

