

Lecture -6

JFC Components

JLabel :- It is used to display a single line of read only text. The text can be changed by an application but a user cannot edit it directly.

Syntax:-

```
JLabel l1=new JLabel("Hello");
```

JTextField :- It is used to display a single line of edit text. The text can be changed by an application but a user can edit it directly.

Syntax:-

```
JTextField t1=new JTextField();
```

```
JTextField t2=new JTextField(30);
```

Methods:-

1. `getText()`
2. `setText()`
3. `actionPerformed()`

JPasswordField :- It is used to display a single line of edit text hidden. The text can be changed by an application but a user can edit it directly.

Syntax:-

```
JPasswordField t1=new JPasswordField();
```

```
JPasswordField t2=new JPasswordField(30);
```

Methods:-

1. `getText()`

2. setText()
3. actionPerformed()

JRadioButton :- The JRadioButton class is used to create a radio button. It is used to choose one option from multiple options.

Syntax:-

```
ButtonGroup bg=new ButtonGroup();
JRadioButton r1=new JRadioButton("Male");
JRadioButton r2=new JRadioButton("Female");
bg.add(r1);
bg.add(r2);
```

```
String gender =null;
if(r1.isSelected())
{
gender=r1.getText();
}
else if(r2.isSelected()){
gender=r2.getText();
}
}
```

1. getText()
2. setText()

Example:-

```
import javax.swing.*;

import java.awt.event.*;

public class JFCExample {

    public static void main(String[] args) {

        JFrame f=new JFrame("MyFrame");

        JPasswordField value = new JPasswordField();

        JLabel l1=new JLabel("Enter Password:");

        JButton b=new JButton("Click Here");
        b.setBounds(50,100,95,30);

        l1.setBounds(20,100, 80,30);

        f.add(value);

        f.add(l1);

        f.add(b);

        f.setSize(300,300);

        f.setLayout(null);

        f.setVisible(true);

    }

}
```