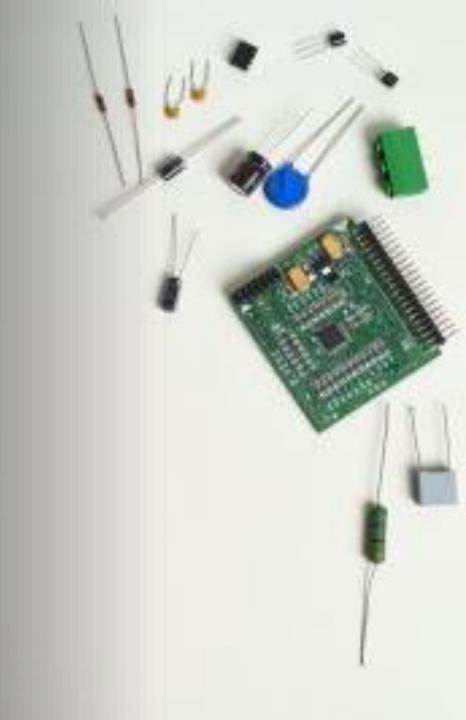# Core Java

Unit 5

Fill in the blanks

Panel container doesn't contain title bar and Menu bar but it can have other components like button, textfield etc

setText(String text) method is used to set or change the text in a Label.

BorderLayout is the default Layout of AWT Frame Container.

setLabel(String text) method is used to set or change the text in a Button.

Applet is a Java program that can be embedded into a web page.

Creating Frame

There are two ways to create a frame in AWT
- By extending Frame class (inheritance)
- By creating the object of Frame class (association)

Constructor

- Frame()

- Frame(String title)

Methods

- public void setSize(int width,int height)

- public void setLayout(LayoutManager m)

- public void setVisible(boolean status)

- public void remove(Component c)

- public void removeAll()

Label

The label is a passive control that do not support any interaction with users and used to display stream

Constructor

Label()

Label(String str)

Label(String str,int how)

Method

void setText(String str)

String getText()

void setAlignment(int how)

int getAligment()

Button

It is a component that contains a label and generates an event when it is clicked

Constructor
Button()
Button(String str)

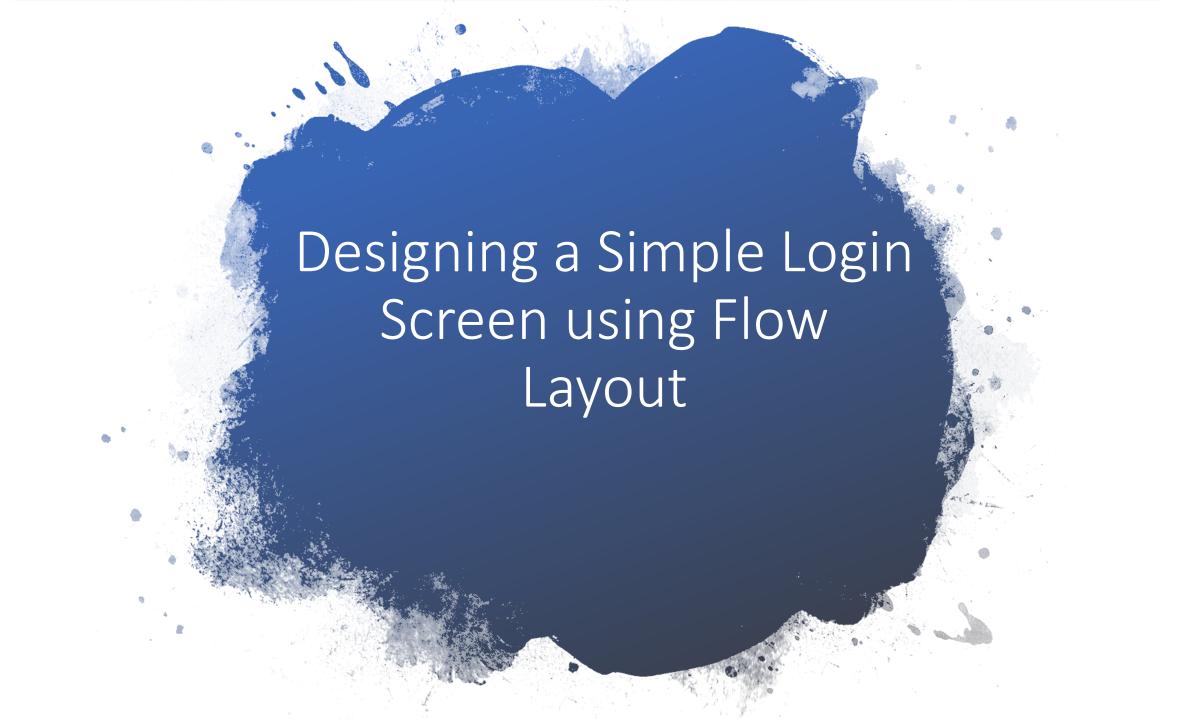| Method |
| --- |
| void setLabel(String str) |
| String getLabel() |

TextField

- Single Line User Input

- Constructors
  - TextField()
  - TextField(int numchars)
  - TextField(String str,int numchars)
  - TextField(string str)

TextFields

- Method
  - void setText(String str)
  - String getText()
  - String getSelectedText()
  - void select(int startIndex,int endIndex)
  - void setEditable(boolean canEdit)
  - boolean isEditable()
  - void setEchoChar(char c)
  - char getEchoChar()

FlowLayout

- Constructor

1. FlowLayout()

2. FlowLayout(int how)-> FlowLayout.LEFT,RIGHT,CENTER,LEADING,TRAILING

3. FlowLayout(int how,int horz,int vert)

Designing a Simple Login Screen using Flow Layout

Thank You