Program No:4

Date:8/08/2024

LOGIN FORM

AIM

Implement validation on various UI

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:textAlignment="textStart"
    app:layoutDescription="@xml/activity_main_scene"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView3"
            android:layout_width="417dp"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="Registartion form"
            android:textAlignment="center"
            android:textSize="20sp" />
```

```xml
</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/td"
        android:layout_width="wrap_content"
        android:layout_height="31dp"
        android:layout_weight="1"
        android:text="Name"
        android:textSize="16sp" />

    <EditText
        android:id="@+id/ed_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:ems="10"
        android:hint="enter your name"
        android:inputType="text"
        android:onClick="enter your name" />
</LinearLayout>

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <TextView
```

```xml
        android:id="@+id/td1"

        android:layout_width="208dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:text="Email"

        android:textSize="16sp" />


    <EditText

        android:id="@+id/ed_email"

        android:layout_width="377dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:ems="10"

        android:hint="enter your email"

        android:inputType="text" />

</LinearLayout>

<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="55dp"

    android:orientation="horizontal"

    android:textAlignment="gravity">


    <TextView

        android:id="@+id/td2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:text="password"

        android:textSize="16sp" />

    <EditText

        android:id="@+id/ed_pass"
```

```xml
        android:layout_width="251dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:ems="10"

        android:hint="enter your password"

        android:inputType="textPassword" />

</LinearLayout>

<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:orientation="horizontal">

    <TextView

        android:id="@+id/td3"

        android:layout_width="wrap_content"

        android:layout_height="match_parent"

        android:layout_weight="1"

        android:text="Gender"

        android:textAlignment="inherit"

        android:textSize="16sp" />

    <RadioGroup

        android:id="@+id/rg_gender"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:orientation="horizontal">

        <RadioButton
```

```xml
            android:id="@+id/r_female"

            android:layout_width="93dp"

            android:layout_height="38dp"

            android:text="male" />


        <RadioButton

            android:id="@+id/r_male"

            android:layout_width="127dp"

            android:layout_height="wrap_content"

            android:text="Female" />

    </RadioGroup>


</LinearLayout>


<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:orientation="horizontal">


    <CheckBox

        android:id="@+id/c_agree"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:text="Agree" />

</LinearLayout>


<LinearLayout

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:orientation="horizontal">
```

```xml
    <LinearLayout

        android:layout_width="156dp"

        android:layout_height="match_parent"

        android:layout_weight="1"

        android:orientation="horizontal"></LinearLayout>


    <Button

        android:id="@+id/bn1"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:onClick="onclick"

        android:text="Button"

        android:textAlignment="center" />

    </LinearLayout>

    </LinearLayout>
```

MainActivity.java

```java
package com.example.registrationform;

import static com.example.registrationform.R.id.ed_email;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.EditText;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.Toast;
```

```java
public class MainActivity extends AppCompatActivity {

    EditText name;

    EditText email;

    EditText pass;

    RadioGroup gender;

    RadioButton r_female;


    CheckBox agree;

    Button bn;

    Boolean isAllFieldsChecked;

    String setError;


    @Override
    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        name=findViewById(R.id.ed_name);

        email=findViewById(ed_email);

        pass=findViewById(R.id.ed_pass);

        gender=findViewById(R.id.rg_gender);

        agree=findViewById(R.id.c_agree);

        bn=findViewById(R.id.bn1);

    }
    public void onclick(View view) {

        isAllFieldsChecked=checkAllFields();

        if(isAllFieldsChecked) {

            Toast.makeText(this, "SUCCESSFULLY", Toast.LENGTH_SHORT).show();

        }

    }
private boolean checkAllFields(){

        if (name.length() == 0) {
```

```java
            name.setError("name is required");

            return false;

        }


        if (email.length() == 0) {

            email.setError("email is required");

            return false;

        } else {

            String email1 = email.getText().toString();

            String checkEmail = "[a-zA-Z0-9._-]+@+[a-z]+.+[a-z]";

            if (!email1.matches(checkEmail)) {

                email.setError("select email");

                return false;

            }

        }

if (pass.length() == 8) {

    pass.setError("name is required");

    return false;

}


if (gender.getCheckedRadioButtonId() == -1) {

        r_female.setError("select gender");

        r_female.requestFocus();

        return false;

    }

    if (!agree.isChecked()) {

        agree.setError("please agree");

        agree.requestFocus();

        return false;

    }

    return true;
```

```
                }
}
```

OUTPUT

Program No:5

Date:30/09/2024

APPLICATION USING INTENT AND SHARED PREFERENCES

AIM

Design a registration activity and stored in local memory of phone using intent and shared preferences.

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

  xmlns:app="http://schemas.android.com/apk/res-auto"

  xmlns:tools="http://schemas.android.com/tools"

  android:layout_width="match_parent"

  android:layout_height="match_parent"

  android:orientation="vertical"

  android:textAlignment="textStart"

  tools:context=".MainActivity">


  <LinearLayout

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:orientation="horizontal">


    <TextView

      android:id="@+id/textView3"

      android:layout_width="417dp"

      android:layout_height="wrap_content"

      android:layout_weight="1"

      android:text="Registartion form"

      android:textAlignment="center"

      android:textSize="20sp" />

  </LinearLayout>
```

```xml
<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:orientation="horizontal">


    <TextView

        android:id="@+id/td"

        android:layout_width="wrap_content"

        android:layout_height="31dp"

        android:layout_weight="1"

        android:text="Name"

        android:textSize="16sp" />


    <EditText

        android:id="@+id/ed_name"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:ems="10"

        android:hint="enter your name"

        android:inputType="text"

        android:onClick="enter your name" />

</LinearLayout>


<LinearLayout

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:orientation="horizontal">


    <TextView
```

```xml
        android:id="@+id/td1"

        android:layout_width="208dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:text="Email"

        android:textSize="16sp" />

    <EditText

        android:id="@+id/ed_email"

        android:layout_width="377dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:ems="10"

        android:hint="enter your email"

        android:inputType="text" />

</LinearLayout>

<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="55dp"

    android:orientation="horizontal"

    android:textAlignment="gravity">

    <TextView

        android:id="@+id/td2"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:text="password"

        android:textSize="16sp" />
```

```xml
    <EditText

        android:id="@+id/ed_pass"

        android:layout_width="251dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:ems="10"

        android:hint="enter your password"

        android:inputType="textPassword" />


</LinearLayout>


<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="wrap_content"

    android:orientation="horizontal">


    <TextView

        android:id="@+id/td3"

        android:layout_width="wrap_content"

        android:layout_height="match_parent"

        android:layout_weight="1"

        android:text="Gender"

        android:textAlignment="inherit"

        android:textSize="16sp" />


    <RadioGroup

        android:id="@+id/rg_gender"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"
```

```xml
        android:orientation="horizontal">

        <RadioButton
            android:id="@+id/r_female"
            android:layout_width="93dp"
            android:layout_height="38dp"
            android:text="male" />

        <RadioButton
            android:id="@+id/r_male"
            android:layout_width="127dp"
            android:layout_height="wrap_content"
            android:text="Female" />
    </RadioGroup>

</LinearLayout>

<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <CheckBox
        android:id="@+id/c_agree"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Agree" />
</LinearLayout>

<LinearLayout
```

```xml
        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:orientation="horizontal">


        <LinearLayout

            android:layout_width="156dp"

            android:layout_height="match_parent"

            android:layout_weight="1"

            android:orientation="horizontal"></LinearLayout>


        <Button

            android:id="@+id/bn1"

            android:layout_width="match_parent"

            android:layout_height="wrap_content"

            android:layout_weight="1"

            android:onClick="onclick"

            android:text="Button"

            android:textAlignment="center" />


    </LinearLayout>


</LinearLayout>
```

MainActivity.java

```java
package com.example.sharedpreferences;

import static com.example.sharedpreferences.R.id.ed_email;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;
```

```java
import android.widget.CheckBox;

import android.widget.EditText;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;


public class MainActivity extends AppCompatActivity {

    EditText name;

    EditText email;

    EditText pass;

    RadioGroup gender;

    RadioButton r_female;


    CheckBox agree;

    Button bn;
Boolean isAllFieldsChecked;

    SharedPreferences sp;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        name=findViewById(R.id.ed_name);

        email=findViewById(ed_email);

        pass=findViewById(R.id.ed_pass);

        gender=findViewById(R.id.rg_gender);

        agree=findViewById(R.id.c_agree);

        bn=findViewById(R.id.bn1);

        sp=getSharedPreferences("Login",MODE_PRIVATE);

    }
```

```java
public void onclick(View view) {
    isAllFieldsChecked=checkAllFields();
    if(isAllFieldsChecked) {
        SharedPreferences.Editor ed=sp.edit();
        ed.putString("name",name.getText().toString());
        ed.putString("email",email.getText().toString());
        ed.putString("gender",gender.getCheckedRadioButtonId()==R.id.rg_gender?"male":"Female");
        ed.commit();
        Toast.makeText(this, "SUCCESSFULLY", Toast.LENGTH_SHORT).show();
        Intent i=new Intent(MainActivity.this, MainActivity2.class);
        startActivity(i);
    }
};


private boolean checkAllFields(){
    if (name.length() == 0) {
        name.setError("name is required");
        return false;
    }

    if (email.length() == 0) {
        email.setError("email is required");
        return false;
    } else {
        String email1 = email.getText().toString();
        String checkEmail = "[a-zA-Z0-9._-]+@+[a-z]+.+[a-z]";
        if (!email1.matches(checkEmail)) {
            email.setError("select email");
            return false;
        }
    }
```

```java
        if (pass.length() == 8) {

            pass.setError("name is required");

            return false;

        }



        if (gender.getCheckedRadioButtonId() == -1) {

            r_female.setError("select gender");

            r_female.requestFocus();

            return false;

        }



        if (!agree.isChecked()) {

            agree.setError("please agree");

            agree.requestFocus();

            return false;

        }

        return true;

    }

}
```

activity_main2.xml

```xml
<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

    xmlns:app="http://schemas.android.com/apk/res-auto"

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    android:orientation="vertical"

    tools:context=".MainActivity2">
```

```xml
    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="55dp"
        android:text="Registration"
        android:textAlignment="center"
        android:textSize="20sp" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="45dp"
        android:text="name"
        android:textSize="20sp" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="61dp"
        android:text="email"
        android:textSize="20sp" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="46dp"
        android:text="gender"
        android:textSize="20sp" />
</LinearLayout>
```

MainActivity2.java
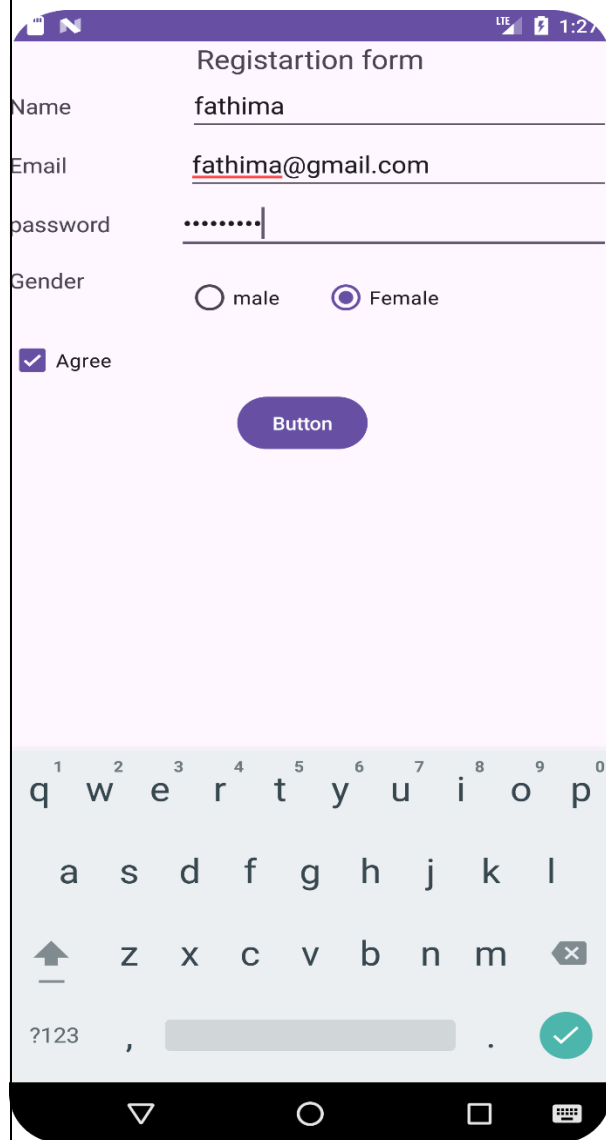
```java
package com.example.sharedpreferences;
```

```java
import androidx.appcompat.app.AppCompatActivity;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.widget.TextView;

import android.widget.Toast;


public class MainActivity2 extends AppCompatActivity {

    TextView displayname,displaymail,displaygender;

    SharedPreferences sp;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main2);

        Toast.makeText(this, "LOGIN SUCCESSFULLY COMPLETED", Toast.LENGTH_SHORT).show();

        displayname=findViewById(R.id.textView2);

        displaymail=findViewById(R.id.textView4);

        displaygender=findViewById(R.id.textView5);

        sp=getSharedPreferences("Login",MODE_PRIVATE);

        String name=sp.getString("name","fATHIMA");

        String email=sp.getString("email","fathima1@gmail.com");

        String gender=sp.getString("gender","female");

        displayname.setText ("Name:"+name);

        displaymail.setText ("Email:"+email);

        displaygender.setText ("Gender:"+gender);


    }}
```

OUTPUT

Registartion form

Name   fathima

Email   fathima@gmail.com

password   ••••••••

Gender ○ male   ◉ Female

☑ Agree

Button

Registration

Name:fathima

Email:fathima@gmail.com

Gender:Female

LOGIN SUCCESSFULLY COMPLETED

Program No:6

Date:09/10/2024

GRID CALCULATOR

AIM

Design a simple Calculator using Grid Layout and Cascaded Linear Layout

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:orientation="vertical"
  android:padding="16dp">

    <TextView
    android:id="@+id/display"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:textSize="32sp"
    android:background="#E0E0E0"
    android:padding="16dp"
    android:gravity="end"
    android:text="" />

    <GridLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:rowCount="5"
    android:columnCount="4">

    <!-- Number Buttons -->
```

```xml
<Button android:text="1" android:onClick="onNumberClick"/>

<Button android:text="2" android:onClick="onNumberClick"/>

<Button android:text="3" android:onClick="onNumberClick"/>

 <Button android:text="+" android:onClick="onOperationClick"/>


<Button android:text="4" android:onClick="onNumberClick"/>

<Button android:text="5" android:onClick="onNumberClick"/>

<Button android:text="6" android:onClick="onNumberClick"/>

<Button android:text="-" android:onClick="onOperationClick"/>


<Button android:text="7" android:onClick="onNumberClick"/>

<Button android:text="8" android:onClick="onNumberClick"/>

<Button android:text="9" android:onClick="onNumberClick"/>

<Button android:text="*" android:onClick="onOperationClick"/>


<Button android:text="C" android:onClick="onClearClick"/>

<Button android:text="0" android:onClick="onNumberClick"/>

<Button android:text="=" android:onClick="onEqualClick"/>

<Button android:text="/" android:onClick="onOperationClick"/>

</GridLayout>

</LinearLayout>
```

MainActivity.java

```java
package com.example.myapplication;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {


  private TextView display;
```

```java
private StringBuilder input;

private String operation;

private double firstOperand;


@Override
protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_main);


    display = findViewById(R.id.display);

    input = new StringBuilder();

}


public void onNumberClick(View view) {

    Button button = (Button) view;

    input.append(button.getText());

    display.setText(input.toString());

}


public void onOperationClick(View view) {

    if (input.length() > 0) {

        firstOperand = Double.parseDouble(input.toString());

        operation = ((Button) view).getText().toString();

        input.setLength(0); // Clear input


        // Show the operation on the display

        display.setText(operation); // Display only the operation

    }

}


public void onEqualClick(View view) {
```

```java
if (input.length() > 0 && operation != null) {

    double secondOperand = Double.parseDouble(input.toString());

    double result = 0;

        // Perform the operation based on the selected operation

    if (operation.equals("+")) {

        result = firstOperand + secondOperand;

    } else if (operation.equals("-")) {

        result = firstOperand - secondOperand;

    } else if (operation.equals("*")) {

        result = firstOperand * secondOperand; // Multiplication

    } else if (operation.equals("/")) {

        if (secondOperand != 0) {

            result = firstOperand / secondOperand; // Division

        } else {

            display.setText("Error"); // Handle division by zero

            return;

        }

    }


        // Display the result

        display.setText(String.valueOf(result));

        input.setLength(0); // Clear input after displaying result

        operation = null; // Reset operation

    }

}


public void onClearClick(View view) {

    input.setLength(0);

    display.setText("");

    operation = null; // Reset operation

}
```
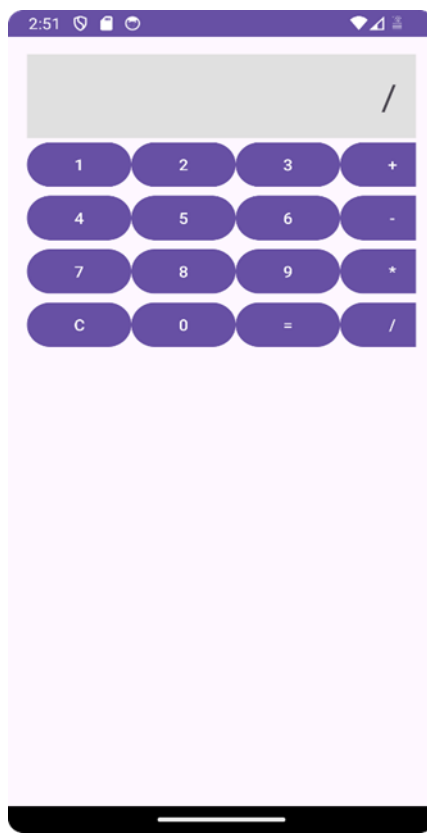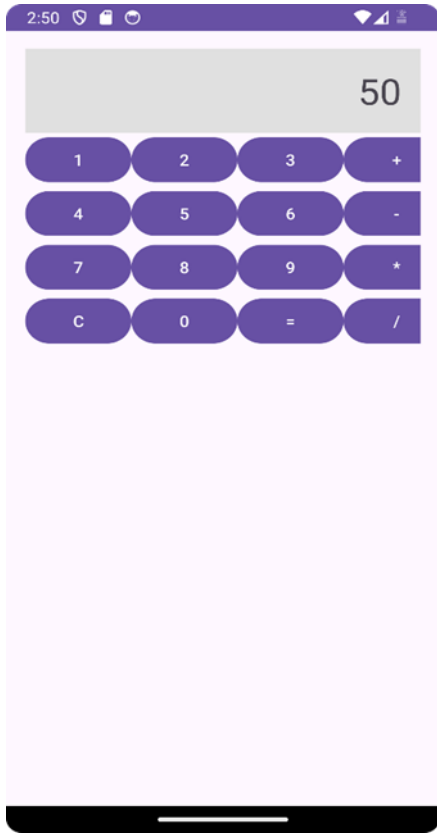
}

OUTPUT

Program No:7

Date:16/10/2024

FACEBOOK LOGIN PAGE

AIM

Create a Facebook page using Relative Layout;set properties using.xml

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/relativeLayout"
    style="square"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#334AE3"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="257dp">

        <ImageView
            android:id="@+id/imageView4"
            android:layout_width="match_parent"
            android:layout_height="228dp"
            android:layout_alignParentBottom="true"
            android:layout_marginBottom="29dp"
            app:srcCompat="@drawable/img1" />
```

```xml
    </RelativeLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="46dp"
        android:orientation="horizontal">

        <EditText
            android:id="@+id/editTextText12"
            android:layout_width="wrap_content"
            android:layout_height="match_parent"
            android:layout_weight="1"
            android:ems="10"
            android:hint="Username or Email"
            android:inputType="text"
            android:text="Name"
            android:textColor="#BBDEFB" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="48dp"
        android:orientation="horizontal">

        <EditText
            android:id="@+id/editTextTextPassword3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:ems="10"
            android:hint="Password"
```

```xml
        android:inputType="textPassword"

        android:textColor="#BBDEFB"

        android:textColorHint="#BBDEFB" />

</LinearLayout>


<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="48dp"

    android:orientation="horizontal">


    <Button

        android:id="@+id/button2"

        style="@style/Widget.Material3.Button"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:backgroundTint="#DA2A3AA5"

        android:text="Button"

        android:textSize="20sp" />

</LinearLayout>


<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="154dp"

    android:orientation="horizontal" />


<LinearLayout

    android:layout_width="match_parent"

    android:layout_height="43dp"

    android:orientation="horizontal">
```

```xml
        <TextView
            android:id="@+id/textView5"
            android:layout_width="wrap_content"
            android:layout_height="42dp"
            android:layout_weight="1"
            android:backgroundTint="#1414D1"
            android:text="Sign Up for Facebook"
            android:textAlignment="center"
            android:textColor="#BBDEFB"
            android:textSize="20sp" />

    </LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">

        <TextView
            android:id="@+id/textView6"
            android:layout_width="wrap_content"
            android:layout_height="37dp"
            android:layout_weight="1"
            android:text="Forgot Password?"
            android:textAlignment="center"
            android:textColor="#BBDEFB"
            android:textColorHint="#BBDEFB"
            android:textSize="20sp" />
    </LinearLayout>
</LinearLayout>
```
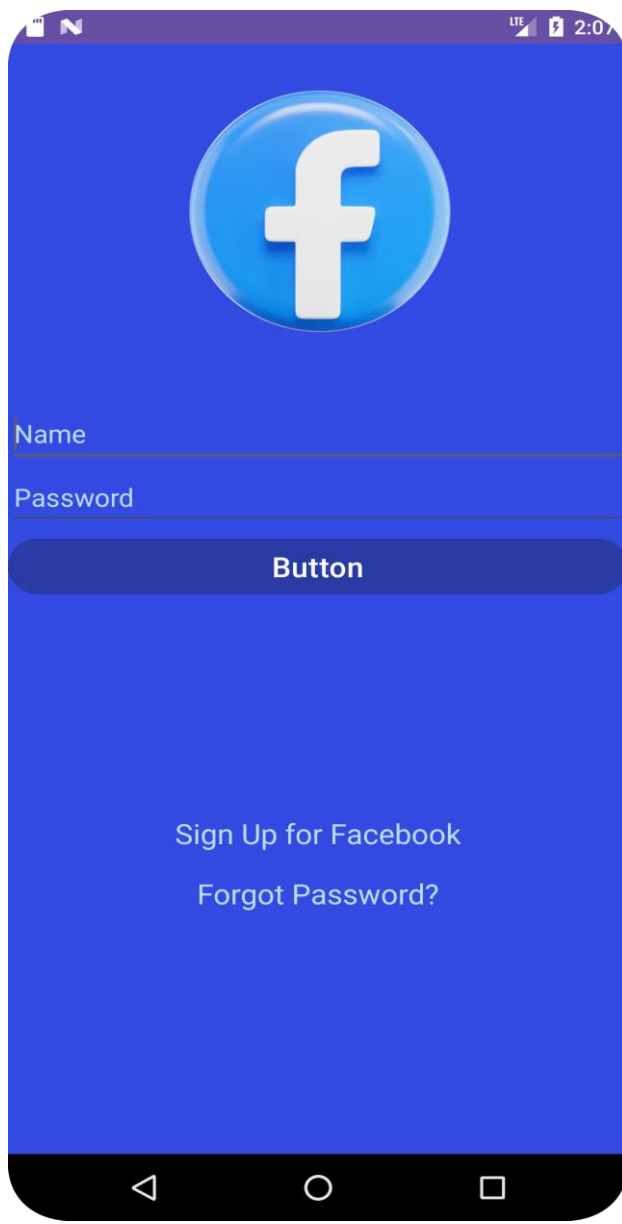
Program No:8

Date:19/10/2024

TOGGLES IMAGE

Develop an application that toggles image using Frame Layout.

activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity" >

    <ImageView
        android:id="@+id/img1"
        android:layout_width="wrap_content"
        android:layout_height="482dp"
        android:onClick="onClick"
        android:src="@drawable/img" />

    <ImageView
        android:id="@+id/img"
        android:layout_width="wrap_content"
        android:layout_height="502dp"
        android:src="@drawable/img1" />
</FrameLayout>
```

MainActivity.java

```java
package com.example.toggle;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
```

```java
import android.view.View;
public class MainActivity extends AppCompatActivity implements View.OnClickListener {
    private View image;
    private View image1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        image=findViewById(R.id.img);
        image1=findViewById(R.id.img1);
        image.setOnClickListener(this);
        image1.setOnClickListener(this);
    }
    public void onClick(View view) {
        if (view == image){
            image.setVisibility(view.GONE);
            image1.setVisibility(view.VISIBLE);
        }
        else {
            image1.setVisibility(view.GONE);
            image.setVisibility(view.VISIBLE);
        }
    }

    @Override
    public void onPointerCaptureChanged(boolean hasCapture) {
        super.onPointerCaptureChanged(hasCapture);
    }
}
```