Program No:4

Date:8/08/2024

REGISTRATION 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" />

    </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

        android:id="@+id/td1"

        android:layout_width="208dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"
```

```xml
        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"

        android:layout_width="251dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"

        android:ems="10"

        android:hint="enter your password"

        android:inputType="textPassword" />
```

```xml
    </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
                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"
```

```xml
        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">


    <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"
```

```xml
            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;

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) {
```

```java
        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) {

        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>

    <LinearLayout
```

```xml
    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

        android:id="@+id/td1"

        android:layout_width="208dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"
```

```xml
        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"

        android:layout_width="251dp"

        android:layout_height="wrap_content"

        android:layout_weight="1"
```

```xml
        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

            android:id="@+id/r_female"

            android:layout_width="93dp"

            android:layout_height="38dp"

            android:text="male" />
```

```xml
        <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">


    <LinearLayout

        android:layout_width="156dp"

        android:layout_height="match_parent"

        android:layout_weight="1"

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

```xml
    <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;

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;
```

```java
    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);
    }
    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);
        }
    };
```

```java
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;

        }

    }

    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();
```

```java
            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">

    <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"
```

```xml
        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;


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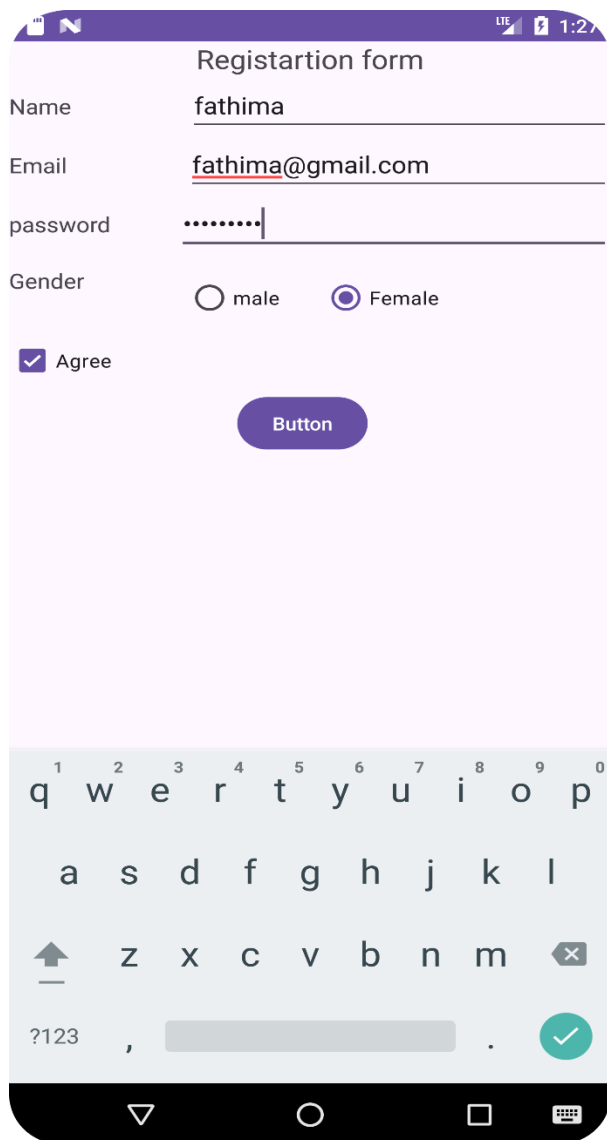
```
String email=sp.getString("email","fathima1@gmail.com");

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

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

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

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


}}
```

OUTPUT

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 -->
    <Button android:text="1" android:onClick="onNumberClick"/>
    <Button android:text="2" android:onClick="onNumberClick"/>
```

```xml
<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;

    private StringBuilder input;

    private String operation;

    private double firstOperand;
```

```java
@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) {
    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;
```
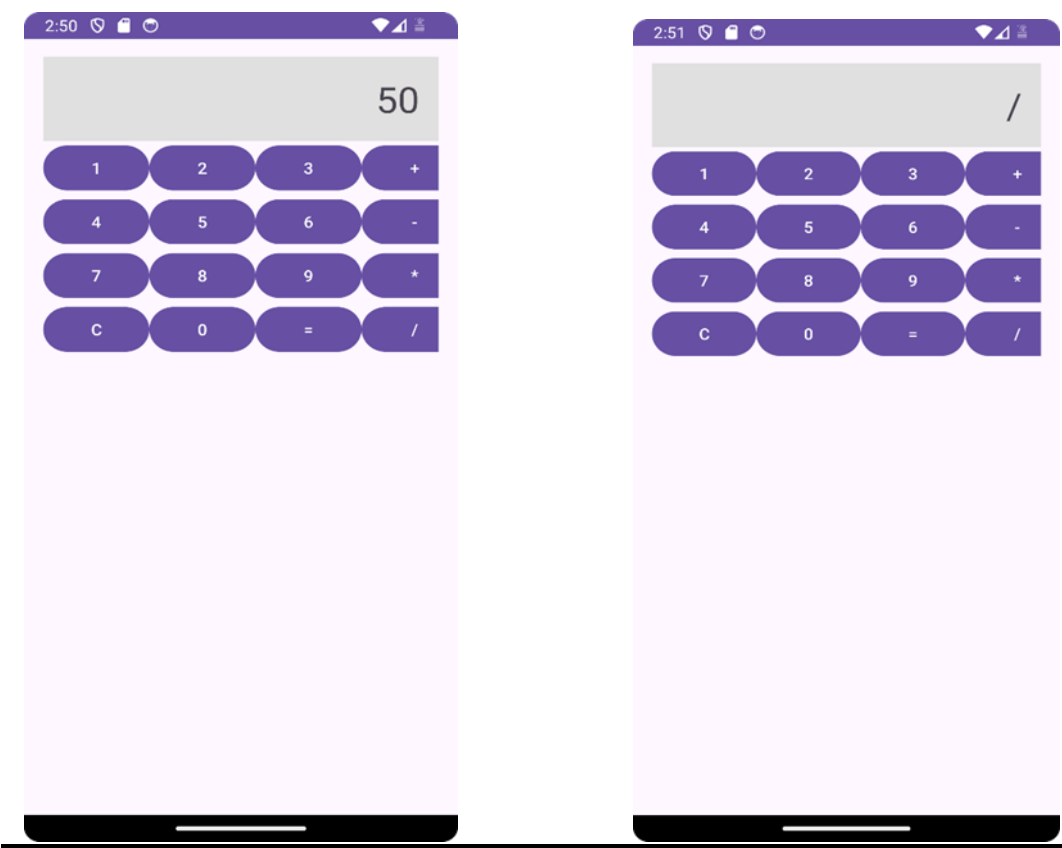
```java
        } else if (operation.equals("-")) {
            result = firstOperand - secondOperand;
        } else if (operation.equals("*")) {
            result = firstOperand * secondOperand; // Multiplication
        } else if (operation.equals("/")) {
            if (secondOperand != 0) {
                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
}
}
```

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" />

    </RelativeLayout>
```

```xml
<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"
        android:inputType="textPassword"
        android:textColor="#BBDEFB"
        android:textColorHint="#BBDEFB" />
</LinearLayout>
```

```xml
<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">

    <TextView
        android:id="@+id/textView5"
        android:layout_width="wrap_content"
        android:layout_height="42dp"
        android:layout_weight="1"
        android:backgroundTint="#1414D1"
```

```xml
        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>
```
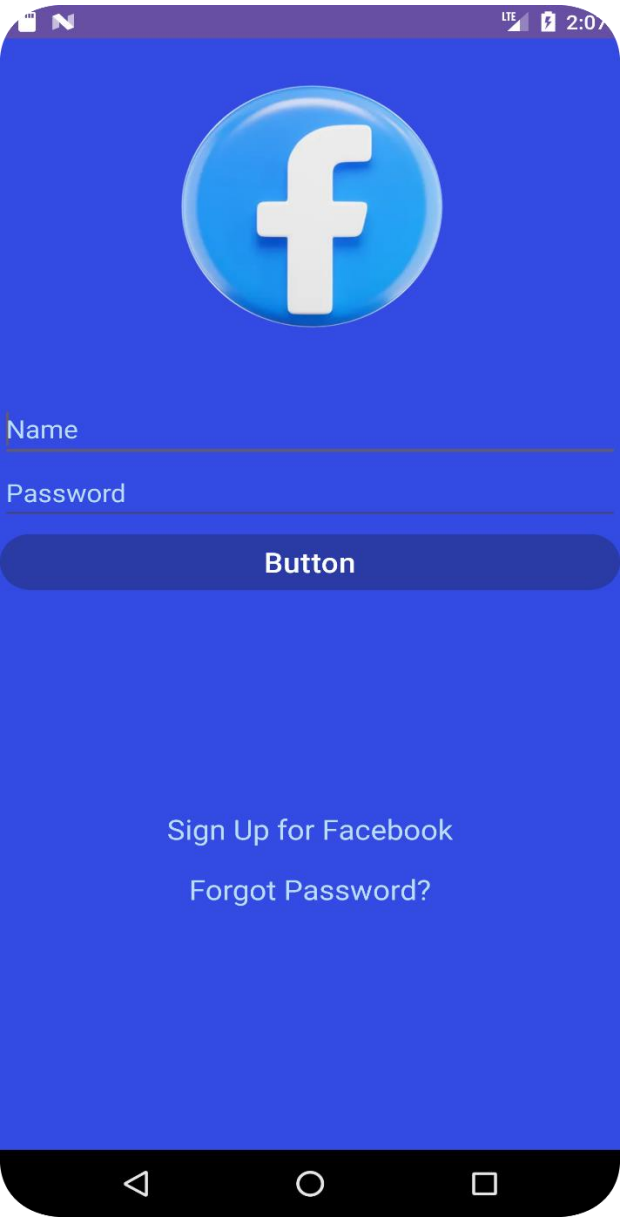
<u>OUTPUT</u>

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;

import android.view.View;

public class MainActivity extends AppCompatActivity implements View.OnClickListener {
```

```java
    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);

    }

}
```