EXPERIMENT NO:1

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM:

Design a login form with username and password using linear layout and toast valid credentials

Source code

**Xml file**

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

<LinearLayout

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/login"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="30dp"

android:gravity="center\_horizontal"

android:padding="5dp"

android:text="Login Form"

android:textAlignment="center"

android:textColor="@color/purple\_700"

android:textSize="18sp" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Username"

android:layout\_marginTop="90dp"

android:layout\_marginLeft="13dp"/>

<EditText

android:id="@+id/username"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/login"

android:layout\_marginStart="10dp"

android:layout\_marginTop="50dp"

android:layout\_marginEnd="10dp"

android:hint="Enter UserName"

android:inputType="textEmailAddress" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Password"

android:layout\_marginTop="165dp"

android:layout\_marginLeft="13dp"/>

<EditText

android:id="@+id/password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/username"

android:layout\_marginStart="10dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="10dp"

android:hint="Enter Password"

android:inputType="textPassword" />

<Button

android:id="@+id/idBtnLogin"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/password"

android:layout\_marginStart="10dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="10dp"

android:text="Login" />

</LinearLayout>

**Java file**

package com.example.program2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

EditText un =(EditText) findViewById(R.id.username);

EditText pw =(EditText) findViewById(R.id.password);

Button btn =(Button) findViewById(R.id.idBtnLogin);

btn.setOnClickListener(view -> {

String uname = un.getText().toString();

String passwd = pw.getText().toString();

if(uname.equals("ajce") && passwd.equals("123")){

Toast.makeText(this,"Login Success",Toast.LENGTH\_SHORT).show();

}

else{

Toast.makeText(this,"invalid username/password",Toast.LENGTH\_SHORT).show();

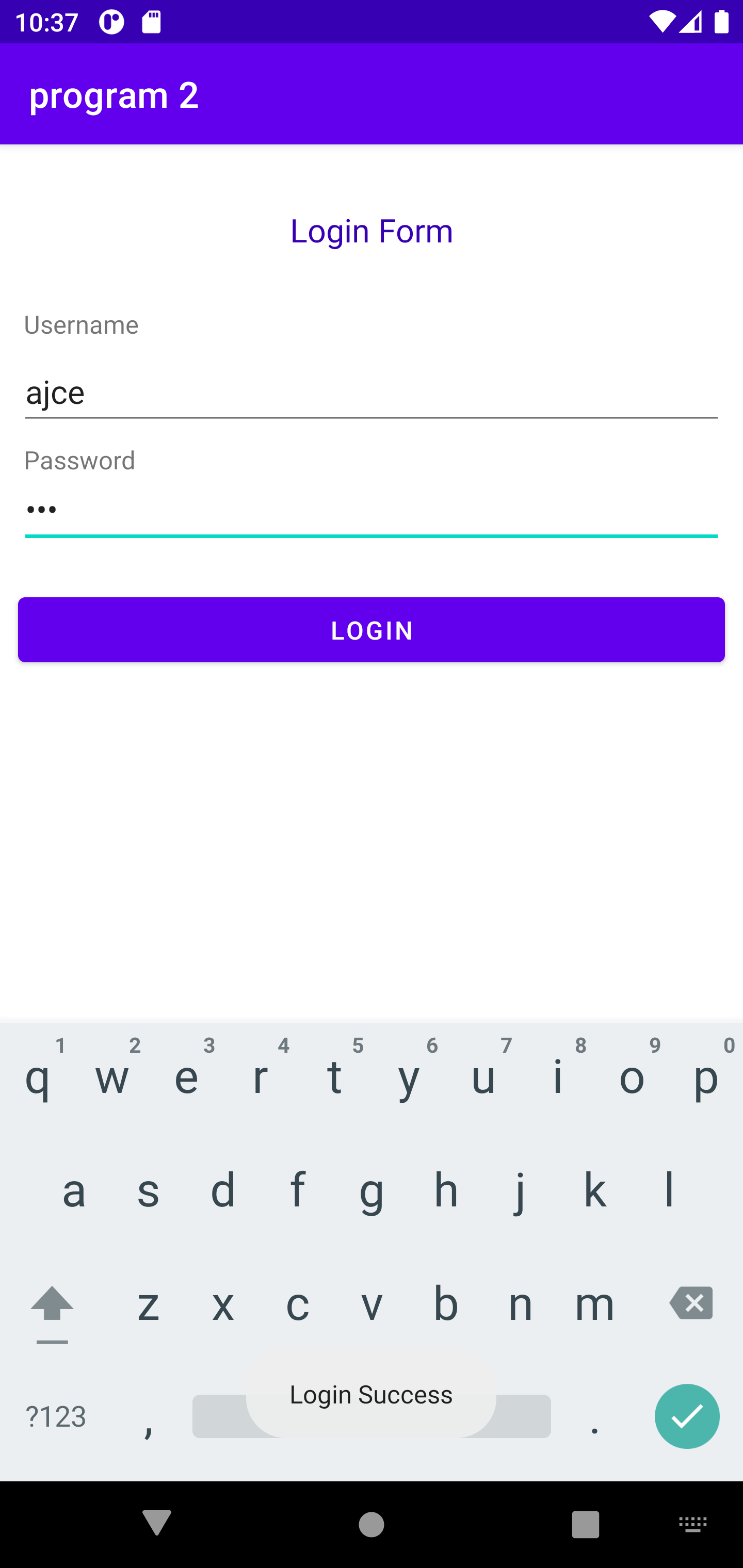
}

});

}

}

**Output**

****

Experiment No:2

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

Aim: Write a program that demonstrates Activity Lifecycles.

Source code:

package com.example.lifecycle;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Log;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

Log.d("Life Cycle","onCreate invoked");

}

@Override

protected void onStart() {

super.onStart();

Log.d("Life Cycle","onStart invoked");

}

@Override

protected void onResume() {

super.onResume();

Log.d("Life Cycle","onResume invoked");

}

@Override

protected void onPause() {

super.onPause();

Log.d("Life Cycle","onPause invoked");

}

@Override

protected void onStop() {

super.onStop();

Log.d("Life Cycle","onStop invoked");

}

@Override

protected void onRestart() {

super.onRestart();

Log.d("Life Cycle","onRestart invoked");

}

@Override

protected void onDestroy() {

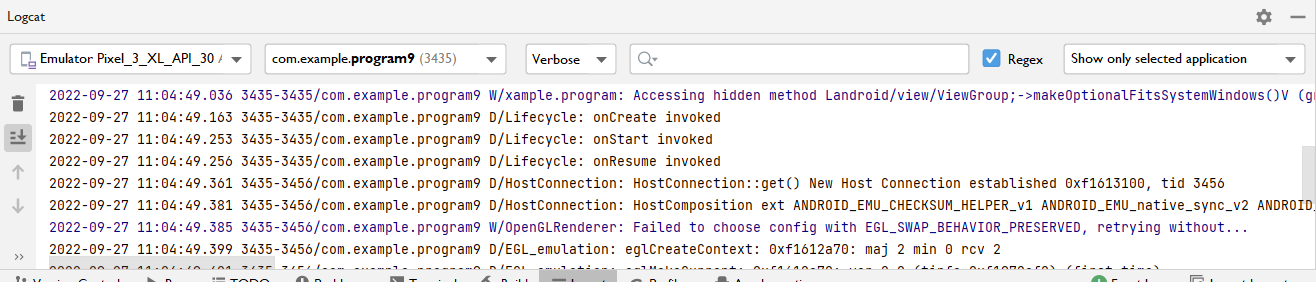
super.onDestroy();

Log.d("Life Cycle","onDestroy invoked");

}

}

Output



Experiment No 3

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

Aim: Implementing Basic arithmetic operations of a simple calculator.

Source code:

**Xml file**

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

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

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

android:id="@+id/activity\_main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:textAlignment="center"

android:weightSum="1">

<TextView

android:text="calculator"

android:layout\_width="match\_parent"

android:id="@+id/textView"

android:layout\_height="30dp"

android:gravity="center\_horizontal"

android:textColorLink="?android:attr/editTextColor"

android:textSize="40sp"

android:layout\_weight="0.07" />

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="number"

android:ems="10"

android:id="@+id/editOp1"

android:textSize="18sp"

android:gravity="center\_horizontal"

android:layout\_marginBottom="5dp"

android:visibility="visible"

android:hint="first number"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="number"

android:ems="10"

android:id="@+id/editOp2"

android:textSize="18sp"

android:gravity="center\_horizontal"

android:elevation="1dp"

android:hint="second number"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<Button

android:text="+"

android:layout\_width="78dp"

android:layout\_height="wrap\_content"

android:id="@+id/btnadd"

android:layout\_weight="0.01"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

<Button

android:text="-"

android:layout\_width="78dp"

android:layout\_height="wrap\_content"

android:id="@+id/btnsub"

android:layout\_weight="0.01"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

</LinearLayout>

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<Button

android:text="\*"

android:layout\_width="78dp"

android:layout\_height="wrap\_content"

android:id="@+id/btnmul"

android:layout\_weight="0.01"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

<Button

android:text="/"

android:layout\_height="wrap\_content"

android:id="@+id/btndiv"

android:layout\_width="78dp"

android:layout\_weight="0.01"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

</LinearLayout>

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<Button

android:text="Clear"

android:layout\_width="80dp"

android:layout\_height="wrap\_content"

android:id="@+id/btnclr"

android:layout\_weight="0.03"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp" />

</LinearLayout>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="number"

android:ems="10"

android:id="@+id/result"

android:textSize="18sp"

android:text="answer"

android:gravity="center\_horizontal"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"/>

</LinearLayout>

**Java file**

package com.example.program1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

private EditText opr1;

private EditText opr2;

private Button btnadd;

private Button btnsub;

private Button btnmul;

private Button btndiv;

private Button btnclr;

private TextView txtresult;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

opr1 = (EditText) findViewById(R.id.editOp1);

opr2 = (EditText) findViewById(R.id.editOp2);

btnadd = (Button) findViewById(R.id.btnadd);

btnsub = (Button) findViewById(R.id.btnsub);

btnmul = (Button) findViewById(R.id.btnmul);

btndiv = (Button) findViewById(R.id.btndiv);

btnclr = (Button) findViewById(R.id.btnclr);

txtresult= (TextView) findViewById(R.id.result);

btnadd.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if((opr1.getText().length()>0) && (opr2.getText().length()>0)) {

double oper1 = Double.parseDouble(opr1.getText().toString());

double oper2 = Double.parseDouble(opr2.getText().toString());

double result = oper1 + oper2;

txtresult.setText(Double.toString(result));

}

else{

Toast toast= Toast.makeText(MainActivity.this,"Enter The Required Numbers",Toast.LENGTH\_LONG);

toast.show();

}

}

});

btnsub.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if((opr1.getText().length()>0) && (opr2.getText().length()>0)) {

double oper1 = Double.parseDouble(opr1.getText().toString());

double oper2 = Double.parseDouble(opr2.getText().toString());

double result = oper1 - oper2;

txtresult.setText(Double.toString(result));

}

else{

Toast toast= Toast.makeText(MainActivity.this,"Enter The Required Numbers",Toast.LENGTH\_LONG);

toast.show();

}

}

});

btnmul.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if((opr1.getText().length()>0) && (opr2.getText().length()>0)) {

double oper1 = Double.parseDouble(opr1.getText().toString());

double oper2 = Double.parseDouble(opr2.getText().toString());

double result = oper1 \* oper2;

txtresult.setText(Double.toString(result));

}

else{

Toast toast= Toast.makeText(MainActivity.this,"Enter The Required Numbers",Toast.LENGTH\_LONG);

toast.show();

}

}

});

btndiv.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if((opr1.getText().length()>0) && (opr2.getText().length()>0)) {

double oper1 = Double.parseDouble(opr1.getText().toString());

double oper2 = Double.parseDouble(opr2.getText().toString());

double result = oper1 / oper2;

txtresult.setText(Double.toString(result));

}

else{

Toast toast= Toast.makeText(MainActivity.this,"Enter The Required Numbers",Toast.LENGTH\_LONG);

toast.show();

}

}

});

btnclr.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

opr1.setText("");

opr2.setText("");

txtresult.setText("0.00");

opr1.requestFocus();

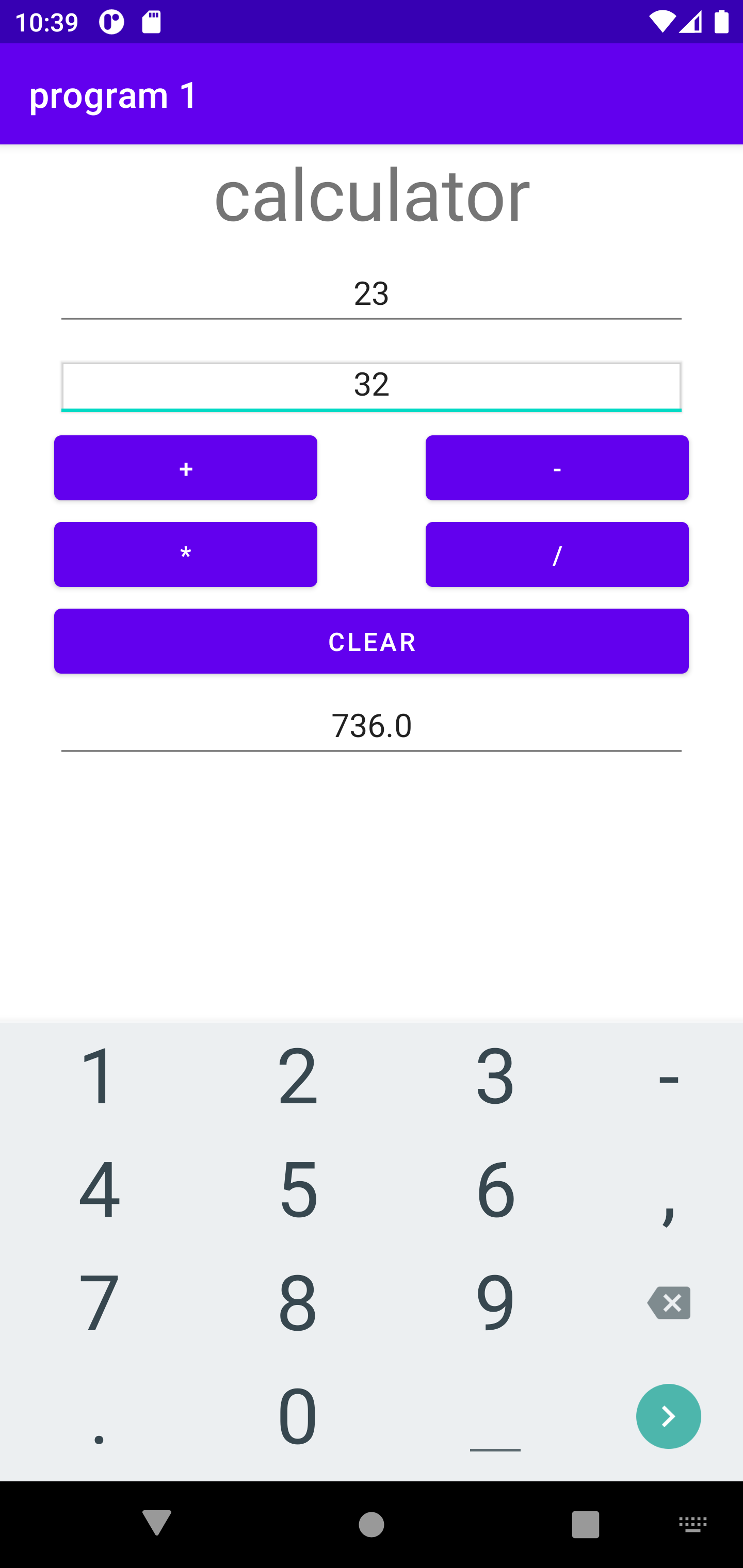
}

});

}

}

**Output**

****

EXPERIMENT NO:4

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM:

Implenting validations on various UI controls.

Source Code

**Xml file**

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

<LinearLayout

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity"

tools:ignore="HardcodedText">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center"

android:textSize="20dp"

android:layout\_marginTop="20dp"

android:text="Form Validation"/>

<EditText

android:id="@+id/firstName"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="16dp"

android:hint="First Name"

android:inputType="text" />

<EditText

android:id="@+id/lastName"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="16dp"

android:hint="Last Name"

android:inputType="text" />

<EditText

android:id="@+id/email"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="16dp"

android:hint="Email"

android:inputType="textEmailAddress" />

<EditText

android:id="@+id/password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="16dp"

android:hint="Password"

android:inputType="textPassword" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="8dp"

android:gravity="end"

android:orientation="horizontal">

<Button

android:id="@+id/cancelButton"

style="@style/Widget.AppCompat.Button.Borderless"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginEnd="180dp"

android:text="CANCEL"

android:textColor="@color/black" />

<Button

android:id="@+id/proceedButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginEnd="20dp"

android:backgroundTint="@color/black"

android:text="PROCEED"

android:textColor="@android:color/white"/>

</LinearLayout>

</LinearLayout>

**Java file**

package com.example.program4;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

Button bCancel, bProceed;

EditText etFirstName, etLastName, etEmail, etPassword;

boolean isAllFieldsChecked = false;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

bProceed = findViewById(R.id.proceedButton);

bCancel = findViewById(R.id.cancelButton);

etFirstName = findViewById(R.id.firstName);

etLastName = findViewById(R.id.lastName);

etEmail = findViewById(R.id.email);

etPassword = findViewById(R.id.password);

bProceed.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

isAllFieldsChecked = CheckAllFields();

if (isAllFieldsChecked) {

Intent i = new Intent(MainActivity.this, MainActivity.class);

startActivity(i);

}

}

});

bCancel.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

MainActivity.this.finish();

System.exit(0);

}

});

}

private boolean CheckAllFields() {

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

etFirstName.setError("This field is required");

return false;

}

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

etLastName.setError("This field is required");

return false;

}

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

etEmail.setError("Email is required");

return false;

}

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

etPassword.setError("Password is required");

return false;

} else if (etPassword.length() < 8) {

etPassword.setError("Password must be minimum 8 characters");

return false;

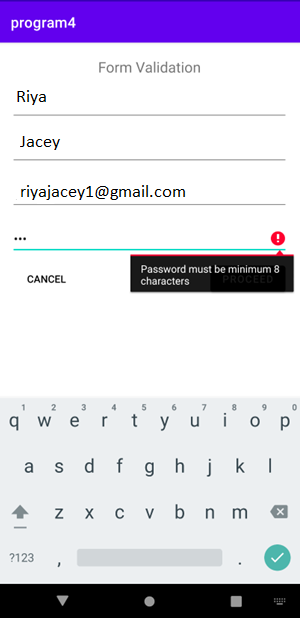
}

return true;

}

}

**Output**



EXPERIMENT NO:5

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM:

Design a registration activity and store registration details in local memory of phone using intents and shared preferences

Source Code:

**a.Shared Preferences**

**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:orientation="vertical"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="prgm4 shared preference "

android:id="@+id/textView"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:textSize="29dp" />

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/editText"

android:layout\_below="@+id/textView2"

android:layout\_marginTop="67dp"

android:hint="Name"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentEnd="true" />

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/editText3"

android:layout\_below="@+id/editText2"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentEnd="true"

android:hint="Email" />

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/editText2"

android:layout\_below="@+id/editText"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true"

android:layout\_alignParentRight="true"

android:layout\_alignParentEnd="true"

android:hint="Pass" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Save"

android:id="@+id/button"

android:layout\_below="@+id/editText3"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="50dp" />

</LinearLayout>

**Java :**

package com.example.program8;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText ed1,ed2,ed3;

Button b1;

public static final String MyPREFERENCES = "MyPrefs" ;

public static final String Name = "nameKey";

public static final String Phone = "phoneKey";

public static final String Email = "emailKey";

SharedPreferences sharedpreferences;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

ed1=(EditText)findViewById(R.id.editText);

ed2=(EditText)findViewById(R.id.editText2);

ed3=(EditText)findViewById(R.id.editText3);

b1=(Button)findViewById(R.id.button);

sharedpreferences = getSharedPreferences(MyPREFERENCES, Context.MODE\_PRIVATE);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String n = ed1.getText().toString();

String ph = ed2.getText().toString();

String e = ed3.getText().toString();

SharedPreferences.Editor editor = sharedpreferences.edit();

editor.putString(Name, n);

editor.putString(Phone, ph);

editor.putString(Email, e);

editor.commit();

Toast.makeText(MainActivity.this,"Thanks",Toast.LENGTH\_LONG).show();

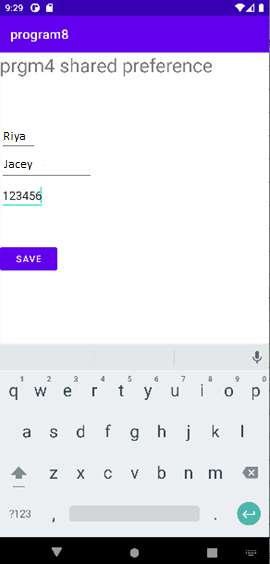
}

});

}

}

**Output :**



b.Intents

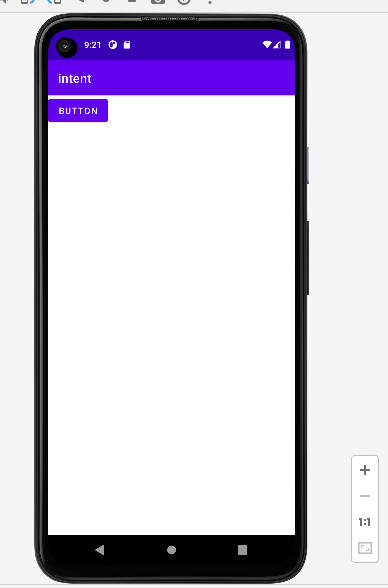
Intent

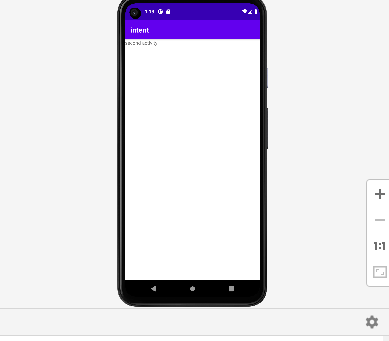
package com.example.intent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
  
public class MainActivity extends AppCompatActivity {  
 Button butt ;  
 TextView text;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 butt=findViewById(R.id.*B1*);  
 butt.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent i=new Intent (MainActivity.this,secondactivity.class);  
 startActivity(i);  
  
 }  
 });  
 }

}

Second activity

package com.example.intent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class secondactivity extends AppCompatActivity {  
 TextView secondactivity;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_secondactivity*);  
 }  
}





EXPERIMENT NO:6

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Design a calculator using grid layout and cascaded linear layout

EXPERIMENT NO:7

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Create a facebook page using Relative layout Setproperties using .xml

Source Code:

**Xml file**

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

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="FACEBOOK"

android:textColor="#4267B2"

android:textSize="30dp"

android:textStyle="bold"

android:layout\_marginLeft="125dp"

android:layout\_marginTop="60dp"/>

<TextView

android:text="Log in to Facebook"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="140dp"

android:textSize="30dp"

android:textStyle="bold"

android:gravity="center\_horizontal"

/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="number"

android:ems="10"

android:textSize="18sp"

android:gravity="center\_horizontal"

android:elevation="1dp"

android:hint="Email address or phone number"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"

android:layout\_marginTop="200dp"

/>

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="number"

android:textSize="18sp"

android:gravity="center\_horizontal"

android:hint="password"

android:layout\_marginLeft="30dp"

android:layout\_marginRight="30dp"

android:layout\_marginTop="260dp"/>

<Button

android:text="Log In"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="150dp"

android:layout\_marginRight="150dp"

android:layout\_marginTop="330dp"

android:backgroundTint="#4267B2"

/>

<TextView

android:text="Forgotten account? · Sign up for Facebook"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="17dp"

android:textStyle="italic"

android:gravity="center\_horizontal"

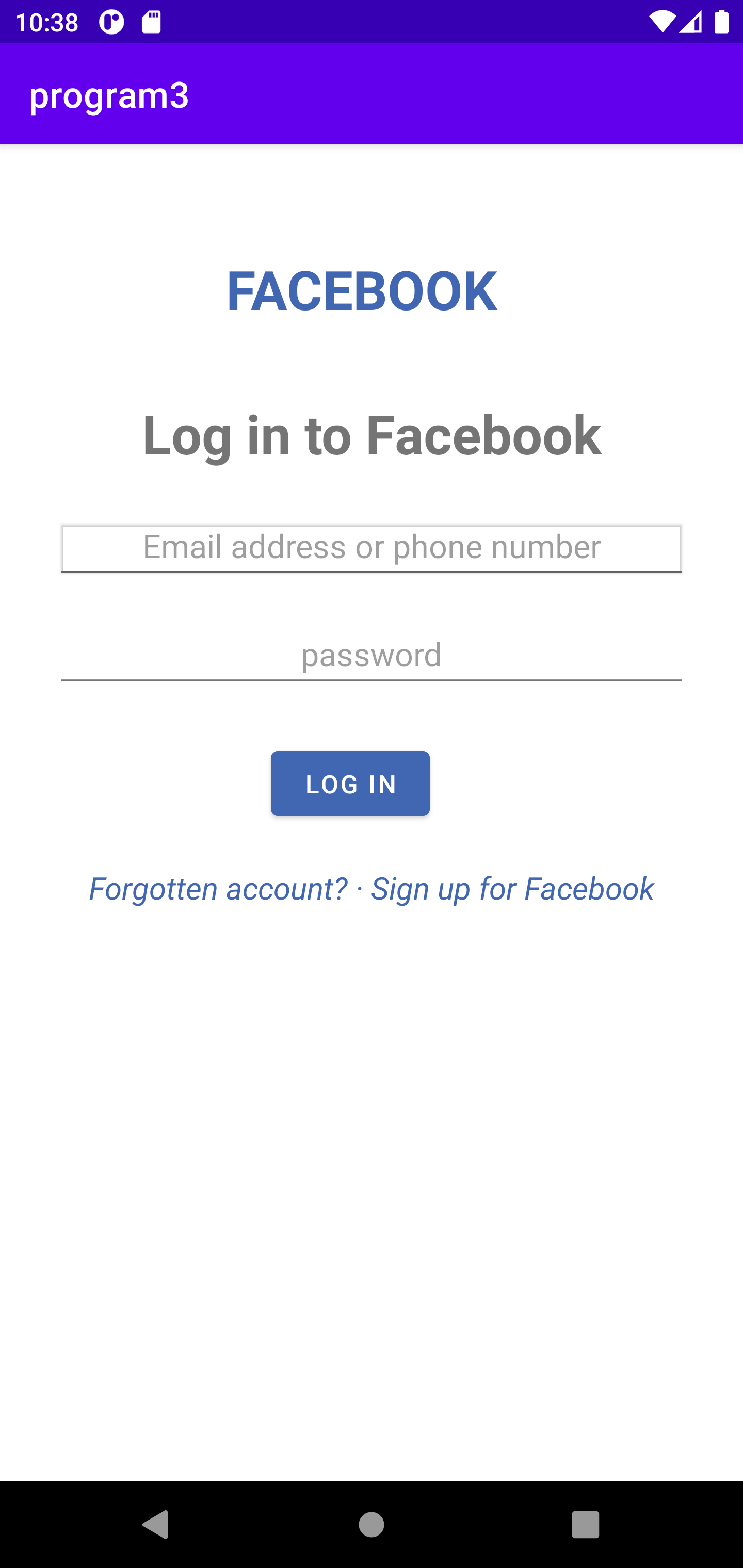
android:layout\_marginTop="400dp"

android:textColor="#4267B2"

/>

</RelativeLayout>

**Output**

****

EXPERIMENT NO:8

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Develop an application that toggles images using frame layout.

EXPERIMENT NO:9

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Implement adapters and perform exception handling

EXPERIMENT NO:10

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Implement intent to navigate between multiple activities

Source Code:

**Xml file**

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

<LinearLayout

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity"

tools:ignore="HardcodedText">

<EditText

android:id="@+id/fn"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="16dp"

android:layout\_marginEnd="16dp"

android:hint="type a url"

android:inputType="text" />

<Button

android:id="@+id/proceed"

android:layout\_width="397dp"

android:layout\_height="wrap\_content"

android:layout\_marginEnd="16dp"

android:backgroundTint="@color/black"

android:text="PROCEED"

android:textColor="@android:color/white"

tools:ignore="ButtonStyle" />

</LinearLayout>

**Java**

package com.example.program5;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

EditText fn=(EditText)findViewById(R.id.fn);

Button proceed=(Button)findViewById(R.id.proceed);

proceed.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String url=fn.getText().toString();

Intent intent=new Intent(Intent.ACTION\_VIEW, Uri.parse(url));

startActivity(intent);

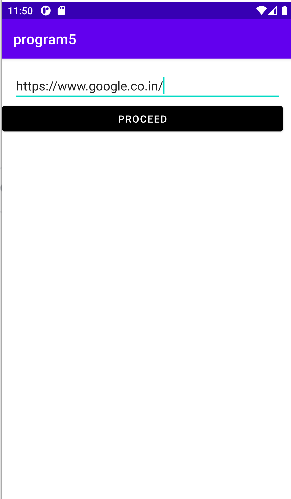
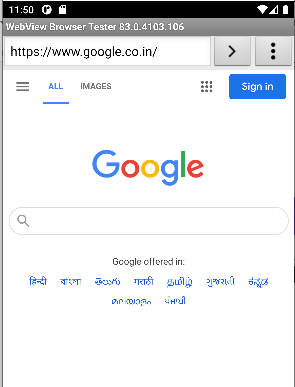
}

});

}

}

**Output**

EXPERIMENT NO:11

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Develop an application that works with explicit intents

Source Code:

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

<androidx.constraintlayout.widget.ConstraintLayout 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">

<TextView

android:id="@+id/editText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="good morning"

android:textAlignment="center"

android:textSize="28sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<Button

android:id="@+id/btn1"

android:text="next Screen"

android:onClick="newsScreen"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/editText" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Java file-1**

package com.example.program6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

public void newsScreen(View view) {

Intent i = new Intent(getApplicationContext(), MainActivity2.class);

startActivity(i);

}

}

**Xml file-2**

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

<androidx.constraintlayout.widget.ConstraintLayout 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=".MainActivity2">

<TextView

android:id="@+id/editText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="good evening"

android:textAlignment="center"

android:textSize="28sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<Button

android:id="@+id/btn2"

android:text="next Screen"

android:onClick="next Screen"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/editText" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Java file-2**

package com.example.program6;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

public class MainActivity2 extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main2);

}

public void newsScreen(View view) {

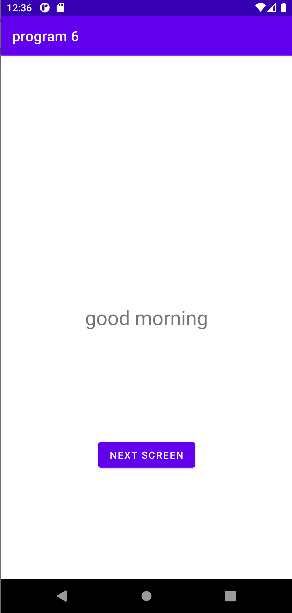
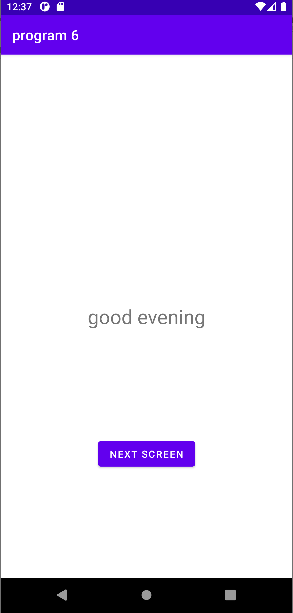
Intent i = new Intent(getApplicationContext(), MainActivity2.class);

startActivity(i);

}

}

**Output**

EXPERIMENT NO:12

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Implement options menu to navigate to activites

Source Code:

EXPERIMENT NO:13

**Name: RIYA JACEY KURIAN**

**Roll No:29**

**Batch: MCA B**

**Date:**

AIM: Develop an application that uses Array Adapter with list view

Source Code:

**activity\_main.xml**

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

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<ListView

android:id="@+id/myList"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:ignore="MissingConstraints" />

</RelativeLayout>

**MainActivity.java**

package com.example.adapter;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.ArrayAdapter;

import android.widget.ListView;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

ListView myListView=findViewById(R.id.myList);

String[] items =new String[]{"1st item","2nd Item","3rd item"};

ArrayAdapter<String> myAdapter;

myAdapter = new ArrayAdapter<>(MainActivity.this,

android.R.layout.simple\_list\_item\_1, items);

myListView.setAdapter(myAdapter);

}

}

Output

