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|  | **SREE NARAYANA GURUKULAM**  **COLLEGE OF ENGINEERING**  **KADAYIRUPPU, KOLENCHERY 682311** |

**---------------------------------------**

**LABORATORY RECORD**

**YEAR:** 2022 **TO**2023

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**SEMESTER :** 3 **ROLL NO:** 32

**BRANCH :** COMPUTER APPLICATIONS

Certified that this is a Bonafide Record of Practical work done in partial fulfillment of the requirements for the award of the Degree in Master of Computer Applications of Sree Narayana Gurukulam College of Engineering.

Kadayiruppu

Date:

Head of the Department Course Instructor

Submitted for University Practical Examination

**Reg. No:** SNG21MCA-2034 **on\_\_\_\_\_\_\_\_\_\_\_**

External Examiner Internal Examiner

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**COURSE OUTCOME 1**

**PROGRAM NO : 1**

**DATE :30/08/22**

**LOGIN FORM**

**AIM**

Design a Login Form with username and password using LinearLayout and toast valid credentials

**XML 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"

android:background="#00FFFFFF"

android:onClick="click"

tools:context=".MainActivity">

<LinearLayout

android:layout\_width="316dp"

android:layout\_height="569dp"

android:gravity="center|center\_horizontal"

android:orientation="vertical"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

tools:layout\_editor\_absoluteY="0dp">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Welcome Back!"

android:textAppearance="@style/TextAppearance.AppCompat.Body1"

android:textSize="34sp"

android:textStyle="bold" />

<EditText

android:id="@+id/mail"

style="@style/Widget.AppCompat.AutoCompleteTextView"

android:layout\_width="match\_parent"

android:layout\_height="61dp"

android:ems="10"

android:inputType="textEmailAddress"

android:selectAllOnFocus="true"

android:singleLine="true"

android:textSize="20sp" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="11dp" />

<EditText

android:id="@+id/pass"

style="@style/Widget.AppCompat.EditText"

android:layout\_width="match\_parent"

android:layout\_height="61dp"

android:ems="10"

android:hint="Password"

android:inputType="textPassword"

android:textSize="20sp" />

<Button

android:id="@+id/button"

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

android:layout\_width="match\_parent"

android:layout\_height="58dp"

android:backgroundTint="@color/purple\_500"

android:onClick="click"

android:shadowRadius="2"

android:text="Login"

android:textSize="20sp" />

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

package com.example.state;

import androidx.appcompat.app.AppCompatActivity;

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 mail;

EditText pass;

Button login;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

mail=findViewById(R.id.mail);

pass=findViewById(R.id.pass);

login=findViewById(R.id.button);

}

public void click(View view) {

String s1=mail.getText().toString();

String s2=pass.getText().toString();

if (s1.equals("sisira") && s2.equals("123"))

{

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

}

else

{

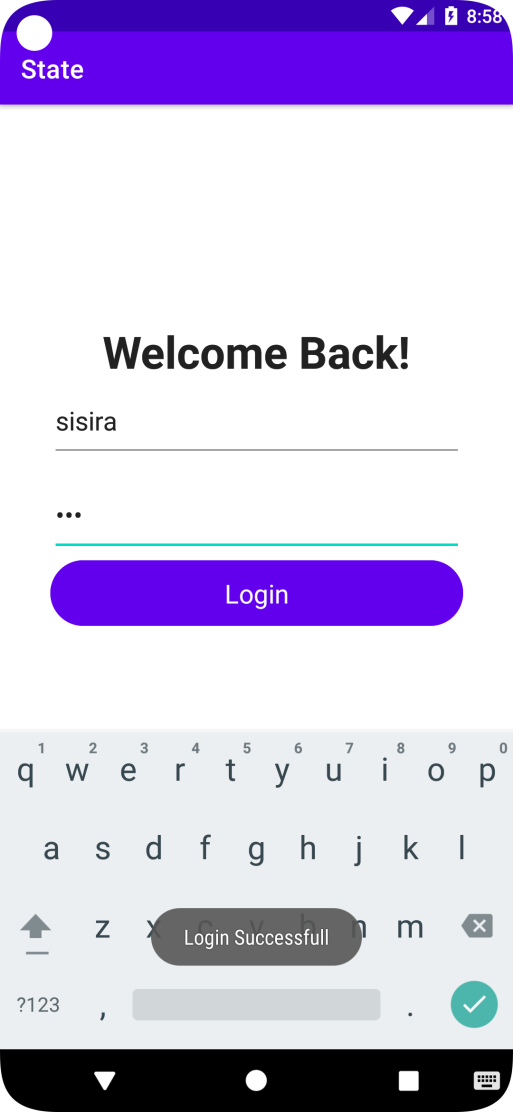
Toast.makeText(this,"Wrong Email or Password",Toast.LENGTH\_SHORT).show();

}

}

}

**OUTPUT**



**PROGRAM NO :2**

**DATE :03/09/22**

**ACTIVITY LIFECYCLE**

**AIM**

Write a program that demonstrates Activity Lifecycle

**XML 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"

android:background="#00FFFFFF"

android:onClick="click"

tools:context=".MainActivity">

<LinearLayout

android:layout\_width="316dp"

android:layout\_height="569dp"

android:gravity="center|center\_horizontal"

android:orientation="vertical"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

tools:layout\_editor\_absoluteY="0dp">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Welcome Back!"

android:textAppearance="@style/TextAppearance.AppCompat.Body1"

android:textSize="34sp"

android:textStyle="bold" />

<EditText

android:id="@+id/mail"

style="@style/Widget.AppCompat.AutoCompleteTextView"

android:layout\_width="match\_parent"

android:layout\_height="61dp"

android:ems="10"

android:hint="Email"

android:inputType="textEmailAddress"

android:selectAllOnFocus="true"

android:singleLine="true"

android:textSize="20sp" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="11dp" />

<EditText

android:id="@+id/pass"

style="@style/Widget.AppCompat.EditText"

android:layout\_width="match\_parent"

android:layout\_height="61dp"

android:ems="10"

android:hint="Password"

android:inputType="textPassword"

android:textSize="20sp" />

<Button

android:id="@+id/button"

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

android:layout\_width="match\_parent"

android:layout\_height="58dp"

android:backgroundTint="@color/purple\_500"

android:onClick="click"

android:shadowRadius="2"

android:text="Login"

android:textSize="20sp" />

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

package com.example.state;

import androidx.appcompat.app.AppCompatActivity;

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 mail;

EditText pass;

Button login;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

mail=findViewById(R.id.mail);

pass=findViewById(R.id.pass);

login=findViewById(R.id.button);

}

@Override

protected void onStart(){

super.onStart();

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

}

@Override

protected void onResume(){

super.onResume();

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

}

@Override

protected void onPause(){

super.onPause();

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

}

@Override

protected void onRestart(){

super.onRestart();

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

}

@Override

protected void onDestroy(){

super.onDestroy();

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

}

@Override

protected void onStop(){

super.onStop();

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

}

public void click(View view) {

String s1=mail.getText().toString();

String s2=pass.getText().toString();

if (s1.equals("sisira") && s2.equals("123"))

{

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

}

else

{

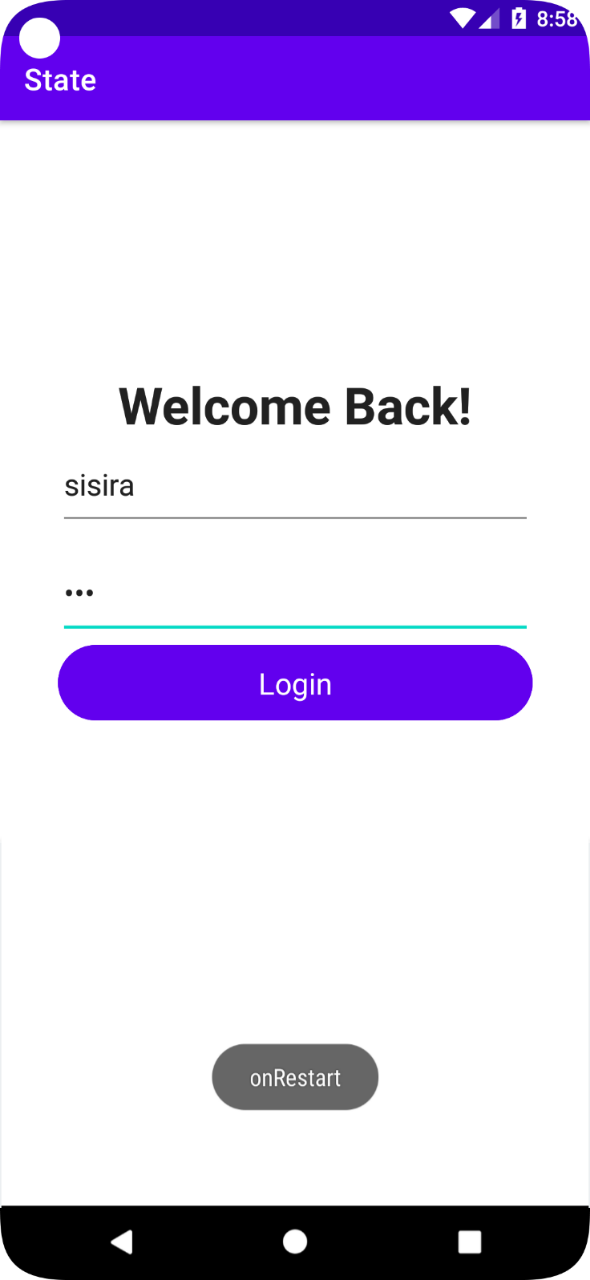
Toast.makeText(this,"Wrong Email or Password",Toast.LENGTH\_SHORT).show();

}

}

}

**OUTPUT**

****

**PROGRAM NO :3**

**DATE :10/09/22**

**SIMPLE CALCULATOR**

**AIM**

Implementing basic arithmetic operations of a simple calculator

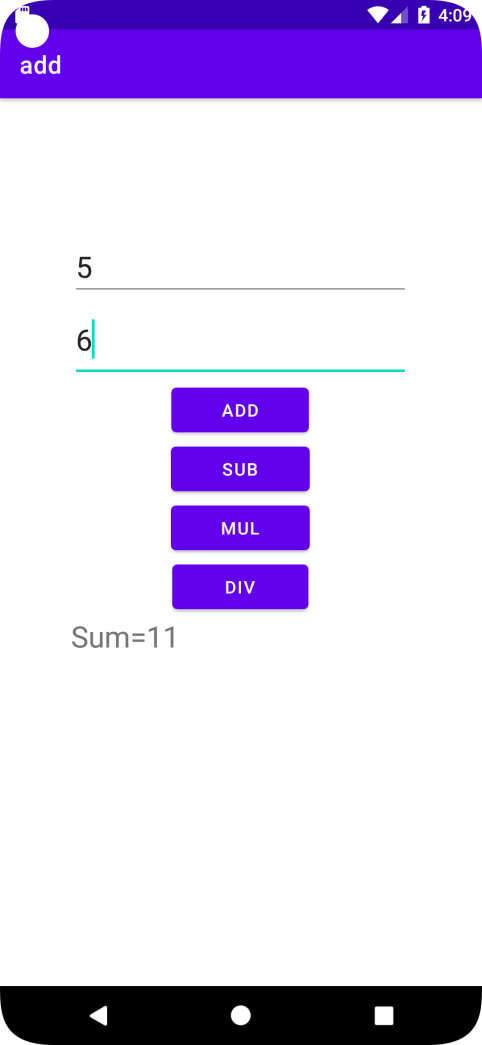
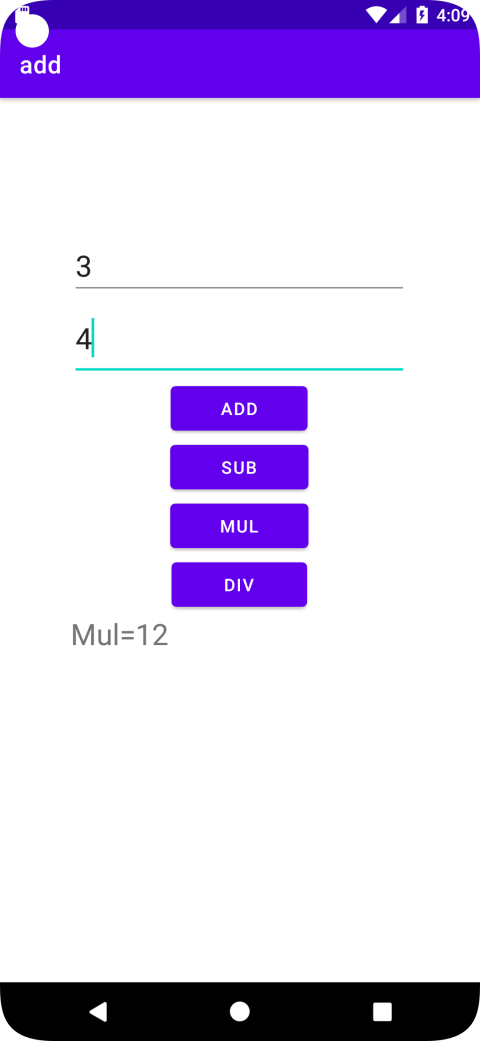
**XML CODE**

*<?*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">  
  
 <LinearLayout  
 android:layout\_width="276dp"  
 android:layout\_height="565dp"  
 android:gravity="center"  
 android:orientation="vertical"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.496"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:layout\_editor\_absoluteY="16dp">  
  
 <EditText  
 android:id="@+id/txt1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Number 1"  
 android:inputType="number"  
 android:textColorHint="#101010"  
 android:textSize="24sp" />  
  
 <EditText  
 android:id="@+id/txt2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="66dp"  
 android:ems="10"  
 android:hint="Number 2"  
 android:inputType="number"  
 android:textColorHint="#050505"  
 android:textSize="24sp" />  
  
 <Button  
 android:id="@+id/butt"  
 android:layout\_width="112dp"  
 android:layout\_height="wrap\_content"  
 android:onClick="sum"  
 android:text="ADD" />  
  
 <Button  
 android:id="@+id/butt2"  
 android:layout\_width="113dp"  
 android:layout\_height="wrap\_content"  
 android:onClick="sub"  
 android:text="SUB" />  
  
 <Button  
 android:id="@+id/butt3"  
 android:layout\_width="113dp"  
 android:layout\_height="wrap\_content"  
 android:onClick="mul"  
 android:text="MUL" />  
  
 <Button  
 android:id="@+id/butt4"  
 android:layout\_width="111dp"  
 android:layout\_height="wrap\_content"  
 android:onClick="div"  
 android:text="DIV" />  
  
 <TextView  
 android:id="@+id/txt3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Answer"  
 android:textColorHint="#000000"  
 android:textSize="24sp" />  
  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

package com.example.add;  
  
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 {  
  
 EditText num1,num2;  
 Button btn1,btn2,btn3,btn4;  
 TextView num3;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 num1 = findViewById(R.id.*txt1*);  
 num2 = findViewById(R.id.*txt2*);  
 btn1 = findViewById(R.id.*butt*);  
 btn2 = findViewById(R.id.*butt2*);  
 btn3 = findViewById(R.id.*butt3*);  
 btn4 = findViewById(R.id.*butt4*);  
 num3 = findViewById(R.id.*txt3*);  
 }  
 public void sum(View view) {  
 int a = Integer.*parseInt*(num1.getText().toString());  
 int b = Integer.*parseInt*(num2.getText().toString());  
 int c = a + b;  
 num3.setText("Sum=" + c);  
 }  
 public void sub(View view) {  
 int a = Integer.*parseInt*(num1.getText().toString());  
 int b = Integer.*parseInt*(num2.getText().toString());  
 int v = a - b;  
 num3.setText("Sub=" + v);  
 }  
 public void mul(View view) {  
 int a = Integer.*parseInt*(num1.getText().toString());  
 int b = Integer.*parseInt*(num2.getText().toString());  
 int m = a \* b;  
 num3.setText("Mul=" + m);  
 }  
  
 public void div(View view) {  
 int a = Integer.*parseInt*(num1.getText().toString());  
 int b = Integer.*parseInt*(num2.getText().toString());  
 int t = a / b;  
 num3.setText("div=" + t);  
 }  
  
}

**OUTPUT**

** **

**PROGRAM NO :4**

**DATE :20/09/22**

**FORM VALIDATION**

**AIM**

Implement validations on various UI controls

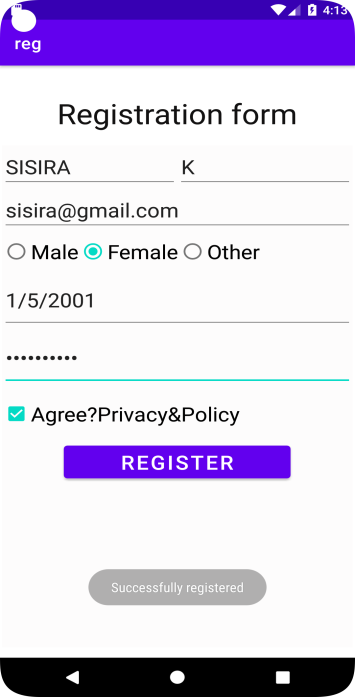
**XML CODE**

*<?*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">  
  
 <LinearLayout  
 android:layout\_width="388dp"  
 android:layout\_height="691dp"  
 android:background="#FDFCFC"  
 android:orientation="vertical"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.478"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.6"  
 tools:ignore="MissingConstraints">  
  
 <TextView  
 android:id="@+id/t1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="78dp"  
 android:background="#FFFFFF"  
 android:gravity="center"  
 android:text="Registration form"  
 android:textColor="#121111"  
 android:textSize="34sp" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <EditText  
 android:id="@+id/t2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:hint="First name"  
 android:textSize="24sp" />  
  
 <EditText  
 android:id="@+id/t3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:hint="Last name"  
 android:textSize="24sp" />  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/e1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Enter email"  
 android:inputType="textEmailAddress"  
 android:textSize="24sp" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <RadioGroup  
 android:id="@+id/radioGroup3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <RadioButton  
 android:id="@+id/r1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Male"  
 android:textSize="24sp"  
 tools:layout\_conversion\_absoluteHeight="48dp"  
 tools:layout\_conversion\_absoluteWidth="84dp"  
 tools:layout\_editor\_absoluteX="26dp"  
 tools:layout\_editor\_absoluteY="245dp" />  
  
 <RadioButton  
 android:id="@+id/r2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Female"  
 android:textSize="24sp"  
 tools:layout\_conversion\_absoluteHeight="48dp"  
 tools:layout\_conversion\_absoluteWidth="110dp"  
 tools:layout\_editor\_absoluteX="26dp"  
 tools:layout\_editor\_absoluteY="293dp" />  
  
 <RadioButton  
 android:id="@+id/r3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Other"  
 android:textSize="24sp"  
 tools:layout\_conversion\_absoluteHeight="48dp"  
 tools:layout\_conversion\_absoluteWidth="90dp"  
 tools:layout\_editor\_absoluteX="26dp"  
 tools:layout\_editor\_absoluteY="341dp" />  
  
  
 </RadioGroup>  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="71dp"  
 android:orientation="horizontal">  
  
 <EditText  
 android:id="@+id/t4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:ems="10"  
 android:hint="Date of Birth"  
 android:inputType="date"  
 android:textSize="24sp" />  
 </LinearLayout>  
  
 <EditText  
 android:id="@+id/p1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:ems="10"  
 android:hint="Enter password"  
 android:inputType="textPassword"  
 android:textSize="24sp" />  
  
 <CheckBox  
 android:id="@+id/c1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="66dp"  
 android:text="Agree?Privacy&amp;Policy"  
 android:textSize="24sp" />  
  
 <Button  
 android:id="@+id/btn"  
 android:layout\_width="251dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:onClick="sumbit"  
 android:text="Register"  
 android:textSize="24sp" />  
 </LinearLayout>  
</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

package com.example.reg;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
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 fn, ln, email, dob, pass;  
 RadioGroup rg;  
 Button btn;  
 CheckBox ch;  
 RadioButton rbtn1, rbtn2, rbtn3;  
 Boolean isAllFieldsChecked = false;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 fn = findViewById(R.id.*t2*);  
 ln = findViewById(R.id.*t3*);  
 email = findViewById(R.id.*e1*);  
 dob = findViewById(R.id.*t4*);  
 pass = findViewById(R.id.*p1*);  
 btn = findViewById(R.id.*btn*);  
 rg = findViewById(R.id.*radioGroup3*);  
 rbtn1 = findViewById(R.id.*r1*);  
 rbtn2 = findViewById(R.id.*r2*);  
 ch = findViewById(R.id.*c1*);  
 rbtn3 = findViewById(R.id.*r3*);  
 }  
  
 public void sumbit(View view) {  
 isAllFieldsChecked = CheckAllFields();  
 if (isAllFieldsChecked) {  
 Toast.*makeText*(this, "Successfully registered", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 private boolean CheckAllFields() {  
 if (fn.length() == 0) {  
 fn.setError("This field is required");  
 return false;  
 }  
 if (ln.length() == 0) {  
 ln.setError("This is required");  
 return false;  
 }  
 if(email.length()==0){  
 email.setError("This is required");  
 return false;  
 }  
 else  
 {  
 String em=email.getText().toString();  
 String checkEmail="[a-zA-Z0-9.-\_]+@[a-z]+.+[a-z]";  
 if(!em.matches(checkEmail)){  
 email.setError("Invalid email");  
 return false;  
 }  
 }  
 if(dob.length()==0){  
 dob.setError("This is required");  
 return false;  
 }  
 if(pass.length()==0){  
 pass.setError("This is required");  
 return false;  
 }  
 else if(pass.length()<8)  
 {  
 pass.setError("Password must be minimum 8 character");  
 return false;  
 }  
 if(rg.getCheckedRadioButtonId()==-1)  
 {  
 rbtn3.setError("select gender");  
 rbtn3.requestFocus();  
 return false;  
 }  
 if(!ch.isChecked())  
 {  
 ch.setError("please agree");  
 ch.requestFocus();  
 return false;  
 }  
return true;  
 }  
}

**OUTPUT**

****

**COURSE OUTCOME 2**

**PROGRAM NO:5**

**DATE:25/09/22**

**INTENTS AND SHARED PREFERENCES**

**AIM**

Design a registration activity and store registration details in local memory of

phone using Intents and SharedPreferences

**PAGE 1**

**XML CODE**

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

<LinearLayoutxmlns: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=".MainActivity">

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:background="@color/black"

android:textColor="@color/white"

android:text="ENTER THE DETAILS"

android:layout\_marginTop="30px"

android:textSize="25sp" />

<EditText

android:id="@+id/fullname"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:layout\_marginTop="30sp"

android:inputType="textPersonName"

android:hint="FULL NAME" />

<EditText

android:id="@+id/email"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:layout\_marginTop="30sp"

android:hint="EMAIL"

android:inputType="textPersonName" />

<EditText

android:id="@+id/location"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:layout\_marginTop="30sp"

android:inputType="textPersonName"

android:hint="LOCATION" />

<Button

android:id="@+id/button"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="30sp"

android:onClick="reg"

android:text="REGISTER" />

</LinearLayout>

**JAVA CODE**

package com.example.registration\_intent\_shared;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditTextname,email,location;

SharedPreferencessp;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

name=findViewById(R.id.fullname);

email=findViewById(R.id.email);

location=findViewById(R.id.location);

sp=getSharedPreferences("register",MODE\_PRIVATE);

}

public void reg(View view) {

Toast.makeText(this,"REGISTERED

SUCCESSFULLY",Toast.LENGTH\_SHORT).show();

Intent i=new Intent(MainActivity.this,MainActivity2.class);

String val1=name.getText().toString();

String val2=email.getText().toString();

i.putExtra("name",val1);

i.putExtra("email",val2);

SharedPreferences.Editor ed=sp.edit();

ed.putString("location",location.getText().toString());

ed.commit();

startActivity(i);

}

}

**PAGE 2**

**XML CODE**

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

<LinearLayoutxmlns: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/det"

android:layout\_width="match\_parent"

android:layout\_marginTop="30px"

android:fontFamily="serif"

android:textStyle="bold"

android:textColor="@color/white"

android:gravity="center"

android:background="@color/black"

android:textSize="25sp"

android:layout\_height="wrap\_content"

android:text="REGISTRATION DETAILS" />

<TextView

android:id="@+id/name"

android:layout\_width="match\_parent"

android:layout\_marginTop="30px"

android:fontFamily="serif"

android:textStyle="bold"

android:textColor="#5981f7"

android:gravity="center"

android:textSize="25sp"

android:layout\_height="wrap\_content"

android:text="NAME" />

<TextView

android:id="@+id/email"

android:textColor="#5981f7"

android:fontFamily="serif"

android:layout\_marginTop="30px"

android:textSize="25sp"

android:textStyle="bold"

android:gravity="center"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="EMAIL" />

<TextView

android:id="@+id/location"

android:textColor="#5981f7"

android:fontFamily="serif"

android:layout\_marginTop="30px"

android:textSize="25sp"

android:textStyle="bold"

android:gravity="center"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="LOCATION" />

</LinearLayout>

**JAVA CODE**

package com.example.registration\_intent\_shared;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.widget.TextView;

public class MainActivity2 extends AppCompatActivity {

TextView t1,t2,t3;

SharedPreferencessp;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main2);

t1=findViewById(R.id.name);

t2=findViewById(R.id.email);

t3=findViewById(R.id.location);

sp=getSharedPreferences("register",MODE\_PRIVATE);

Intent intent=getIntent();

String val1=intent.getStringExtra("name");

String val2=intent.getStringExtra("email");

String val3=sp.getString("location","");

t1.setText("NAME: "+val1);

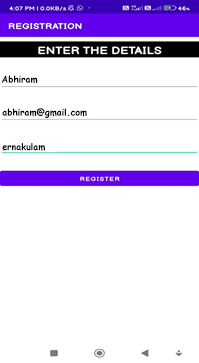
t2.setText("EMAIL: "+val2);

t3.setText("LOCATION: "+val3);

}

}

**OUTPUT**

****

**PROGRAM NO:6**

**DATE:30/09/22**

**GRID CALCULATOR**

**AIM**

Design a simple Calculator using GridLayout and Cascaded LinearLayout

**XML CODE**

<?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:gravity="center"

tools:context=".MainActivity">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical">

<Space

android:layout\_width="match\_parent"

android:layout\_height="24dp" />

<EditText

android:id="@+id/editTextTextPersonName"

android:layout\_width="match\_parent"

android:layout\_height="100dp"

android:ems="10"

android:inputType="textPersonName"

android:textSize="50dp" />

<Space

android:layout\_width="match\_parent"

android:layout\_height="10dp" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="vertical">

<androidx.gridlayout.widget.GridLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

app:rowCount="5">

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="C"

android:textSize="24sp"

app:layout\_column="0"

app:layout\_row="0" />

<Button

android:id="@+id/button2"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="%"

android:textSize="24sp"

app:layout\_column="1"

app:layout\_row="0" />

<Button

android:id="@+id/button3"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="b"

android:textSize="24sp"

app:layout\_column="2"

app:layout\_row="0" />

<Button

android:id="@+id/button4"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="/"

android:textSize="24sp"

app:layout\_column="3"

app:layout\_row="0" />

<Button

android:id="@+id/button5"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="7"

android:textSize="24sp"

app:layout\_column="0"

app:layout\_row="1" />

<Button

android:id="@+id/button6"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="8"

android:textSize="24sp"

app:layout\_column="1"

app:layout\_row="1" />

<Button

android:id="@+id/button7"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="9"

android:textSize="24sp"

app:layout\_column="2"

app:layout\_row="1" />

<Button

android:id="@+id/button8"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="\*"

android:textSize="24sp"

app:layout\_column="3"

app:layout\_row="1" />

<Button

android:id="@+id/button9"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="4"

android:textSize="24sp"

app:layout\_column="0"

app:layout\_row="2" />

<Button

android:id="@+id/button10"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="5"

android:textSize="24sp"

app:layout\_column="1"

app:layout\_row="2" />

<Button

android:id="@+id/button11"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="6"

android:textSize="24sp"

app:layout\_column="2"

app:layout\_row="2" />

<Button

android:id="@+id/button12"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="-"

android:textSize="24sp"

app:layout\_column="3"

app:layout\_row="2" />

<Button

android:id="@+id/button13"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="1"

android:textSize="24sp"

app:layout\_column="0"

app:layout\_row="3" />

<Button

android:id="@+id/button14"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="2"

android:textSize="24sp"

app:layout\_column="1"

app:layout\_row="3" />

<Button

android:id="@+id/button15"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="3"

android:textSize="24sp"

app:layout\_column="2"

app:layout\_row="3" />

<Button

android:id="@+id/button16"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="+"

android:textSize="24sp"

app:layout\_column="3"

app:layout\_row="3" />

<Button

android:id="@+id/button17"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="00"

android:textSize="24sp"

app:layout\_column="0"

app:layout\_row="4" />

<Button

android:id="@+id/button18"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="0"

android:textSize="24sp"

app:layout\_column="1"

app:layout\_row="4" />

<Button

android:id="@+id/button19"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="."

android:textSize="24sp"

app:layout\_column="2"

app:layout\_row="4" />

<Button

android:id="@+id/button20"

android:layout\_width="wrap\_content"

android:layout\_height="70dp"

android:layout\_margin="5dp"

android:text="="

android:textSize="24sp"

app:layout\_column="3"

app:layout\_row="4" />

</androidx.gridlayout.widget.GridLayout>

</LinearLayout>

</LinearLayout>

</LinearLayout>

**JAVA CODE:**

package com.example.fullcalculator;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity implements View.OnClickListener {

EditText number;

double num1=0;

double num2=0;

String op="";

Button b1,b2,b3,b4,b5,b6,b7,b8,b9,b0,b00,bdot,bsum,bsub,bmulti,bdiv,beq,bc;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

b0=findViewById(R.id.button18);

b0=findViewById(R.id.button18);

bdot=findViewById(R.id.button19);

b00=findViewById(R.id.button17);

b1=findViewById(R.id.button13);

b2=findViewById(R.id.button14);

b3=findViewById(R.id.button15);

b4=findViewById(R.id.button9);

b5=findViewById(R.id.button10);

b6=findViewById(R.id.button11);

b7=findViewById(R.id.button5);

b8=findViewById(R.id.button6);

b9=findViewById(R.id.button7);

bsum=findViewById(R.id.button16);

bsub=findViewById(R.id.button12);

bmulti=findViewById(R.id.button8);

bdiv=findViewById(R.id.button4);

beq=findViewById(R.id.button20);

bc=findViewById(R.id.button);

number=findViewById(R.id.editTextTextPersonName);

b1.setOnClickListener(this);

bdot.setOnClickListener(this);

b0.setOnClickListener(this);

b00.setOnClickListener(this);

b2.setOnClickListener(this);

b3.setOnClickListener(this);

b4.setOnClickListener(this);

b5.setOnClickListener(this);

b6.setOnClickListener(this);

b7.setOnClickListener(this);

b8.setOnClickListener(this);

b9.setOnClickListener(this);

bsub.setOnClickListener(this);

bsum.setOnClickListener(this);

bc.setOnClickListener(this);

bmulti.setOnClickListener(this);

bdiv.setOnClickListener(this);

beq.setOnClickListener(this);

}

@Override

public void onClick(View view) {

Button b=(Button) view;

if(view==bc){

number.setText("");

op="";

}

else if(view==bsum||view==bsub||view==bmulti||view==bdiv){

num1=Integer.parseInt(number.getText().toString());

op=b.getText().toString();

number.setText("");

}

else if(view==beq)

{

num2=Integer.parseInt(number.getText().toString());

if(op.equals("+"))

{

number.setText(num1+num2+"");

}

else if(op.equals("-"))

{

number.setText(num1-num2+"");

}

else if(op.equals("\*"))

{

number.setText(num1\*num2+"");

}

else if(op.equals("/")){

number.setText(num1/num2+"");

}

}

else {

String s = number.getText().toString();

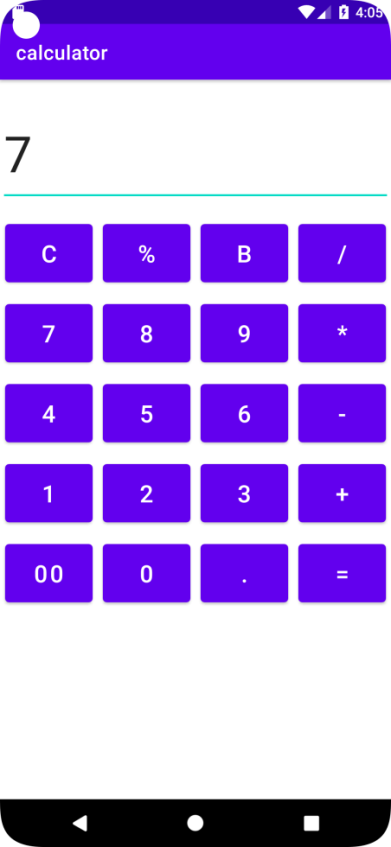
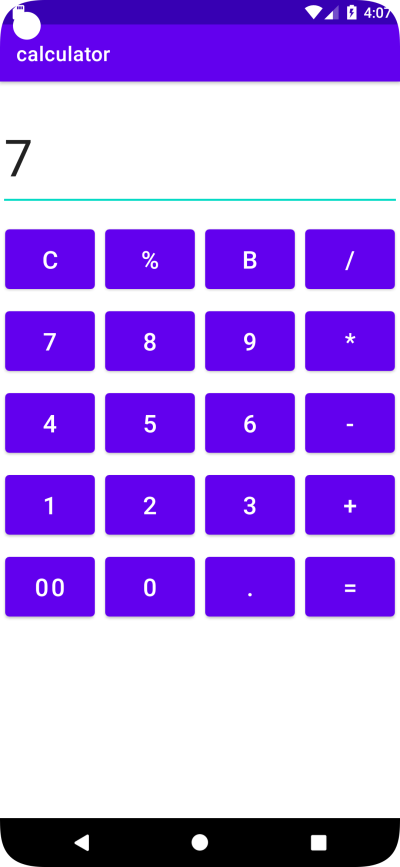
number.setText(s + b.getText().toString());

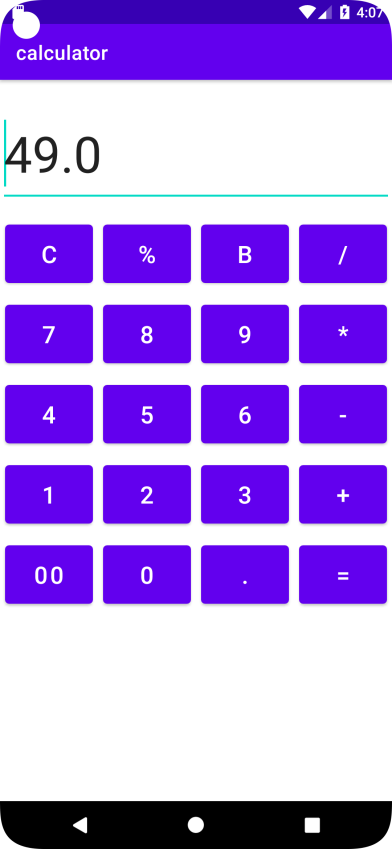
}

}

}

**OUTPUT**



**PROGRAM NO:7**

**DATE:05/10/22**

**FACEBOOK PAGE**

**AIM**

Create a Facebook page using RelativeLayout; set properties using .xml file

**XML CODE**

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

<RelativeLayout 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"

android:background="#3a589e">

<ImageView

android:id="@+id/imageView"

android:layout\_width="match\_parent"

android:layout\_height="254dp"

app:srcCompat="@drawable/download" />

<EditText

android:id="@+id/editTextTextPersonName"

android:layout\_width="310dp"

android:layout\_height="59dp"

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

android:layout\_centerHorizontal="true"

android:ems="10"

android:hint="Username"

android:textColorHint="#ffffff"

android:inputType="textPersonName" />

<EditText

android:id="@+id/editTextTextPersonName2"

android:layout\_width="309dp"

android:layout\_height="66dp"

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

android:layout\_centerHorizontal="true"

android:ems="10"

android:hint="Password"

android:textColorHint="#ffffff"

android:inputType="textPersonName" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/editTextTextPersonName2"

android:layout\_centerHorizontal="true"

android:backgroundTint="#03AC13"

android:text="Login" />

</RelativeLayout>

**JAVA CODE**

package com.example.facebook;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

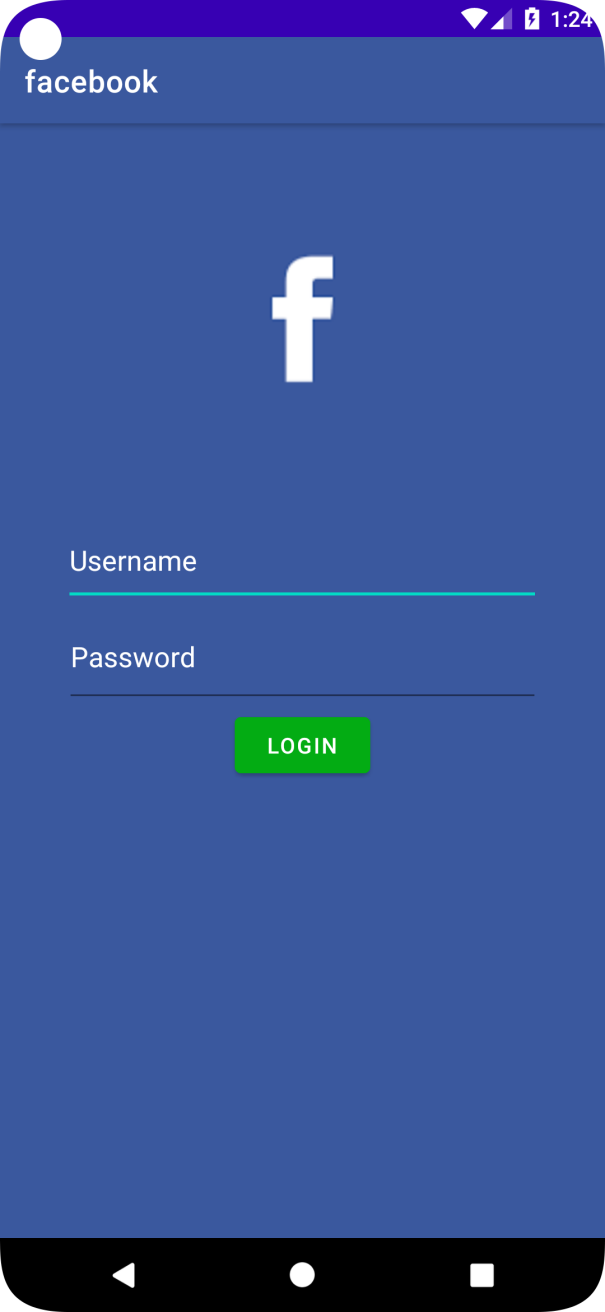
super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

}

**OUTPUT**



**PROGRAM NO:8**

**DATE:20/10/22**

**TOGGLE IMAGE**

**AIM**

Develop an application that toggles image using FrameLayout

**XML CODE**

<?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"

tools:context=".MainActivity">

<ImageView

android:id="@+id/imageView3"

android:layout\_width="366dp"

android:layout\_height="297dp"

android:src="@drawable/c" />

<ImageView

android:id="@+id/imageView4"

android:layout\_width="362dp"

android:layout\_height="301dp"

android:src="@drawable/b" />

</LinearLayout>

**JAVA CODE**

package com.example.imagetoggle;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.ImageView;

public class MainActivity extends AppCompatActivity implements View.OnClickListener{

ImageView img,img2;

@Override

protected void onCreate(Bundle savedInstanceState){

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

img=findViewById(R.id.imageView3);

img2=findViewById(R.id.imageView4);

img.setOnClickListener(this);

img2.setOnClickListener(this);

}

public void onClick(View v){

if(v==img){

img.setVisibility(View.GONE);

img2.setVisibility(View.VISIBLE);

}

else{

img2.setVisibility(View.GONE);

img.setVisibility(View.VISIBLE);

}

}

}

**OUTPUT**



**COURSE OUTCOME 3**

**PROGRAM NO:9**

**DATE:30/10/22**

**INTENT**

**AIM**

Implement Intent to navigate between multiple activities

**PAGE 1**

**XML CODE**

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

<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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">

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Next Page"

android:onClick="click"

tools:layout\_editor\_absoluteX="144dp"

tools:layout\_editor\_absoluteY="157dp"

tools:ignore="MissingConstraints" />

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

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;

public class MainActivity extends AppCompatActivity {

Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

b1=findViewById(R.id.button);

}

public void click(View view) {

Intent i=new Intent(MainActivity.this,MainActivity2.class);

startActivity(i);

}

}

**PAGE 2**

**XML CODE:**

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

<androidx.constraintlayout.widget.ConstraintLayoutSxmlns: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">

<Button

android:id="@+id/button2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="previous page"

android:onClick="click"

tools:layout\_editor\_absoluteX="149dp"

tools:layout\_editor\_absoluteY="113dp" />

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

package com.example.intent;

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 click(View view) {

Intent i=new Intent(MainActivity2.this,MainActivity.class);

startActivity(i);

}

}

**OUTPUT**





**PROGRAM NO:10**

**DATE:10/11/22**

**MENU**

**AIM**

Implement Options Menu to navigate to activities

**MENU**

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

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

<item

android:id="@+id/item1"

android:title="DEPARTMENT">

<menu>

<item

android:id="@+id/inside1"

android:title="MCA" />

<item

android:id="@+id/inside2"

android:title="MBA" />

</menu>

</item>

<item

android:id="@+id/item2"

android:title="STUDENTS" />

</menu>

**XML CODE**

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

<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hello World!"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE**

package com.example.menu;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuInflater;

import android.view.MenuItem;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

@Override

public booleanonCreateOptionsMenu(Menu menu) {

MenuInflater inflater=getMenuInflater();

inflater.inflate(R.menu.menu,menu);

return true;

}

@Override

public booleanonOptionsItemSelected(@NonNull MenuItem item) {

switch (item.getItemId()){

case R.id.inside1:

Toast.makeText(this,"mca department",Toast.LENGTH\_LONG).show();

break;

case R.id.inside2:

Toast.makeText(this, "mba department", Toast.LENGTH\_SHORT).show();

break;

case R.id.item2:

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

break;

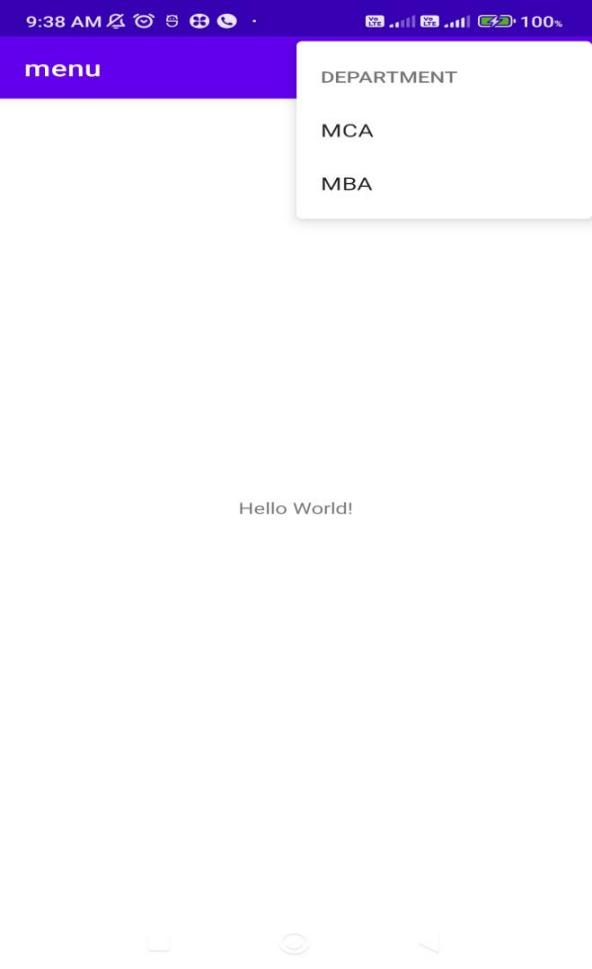
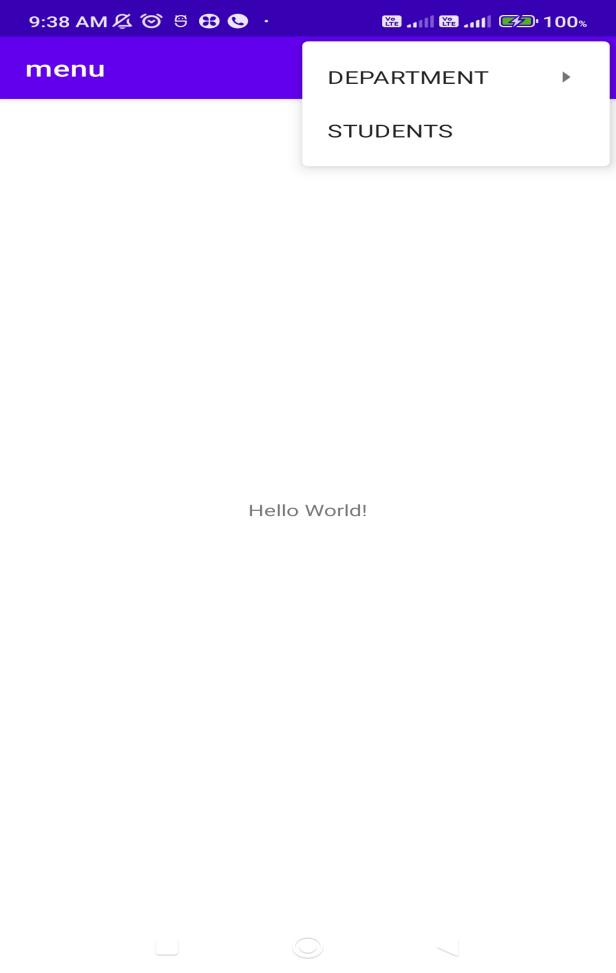
}

return true;

}

}

**OUTPUT**



**COURSE OUTCOME 5**

**PROGRAM NO:11**

**DATE:20/11/22**

**DATABASE MANAGEMENT**

**AIM**

Create database using SQLite and perform INSERT,SELECT,UPDATE AND DELETE

**XML CODE**

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

<LinearLayoutxmlns: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=".MainActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="TextView" />

<EditText

android:id="@+id/id"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPersonName"

android:hint="id" />

<EditText

android:id="@+id/name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPersonName"

android:hint="name" />

<EditText

android:id="@+id/place"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPersonName"

android:hint="place" />

<Button

android:id="@+id/insert"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="insert" />

<Button

android:id="@+id/select"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="select" />

<Button

android:id="@+id/update"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="update" />

<Button

android:id="@+id/delete"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="delete" />

<Button

android:id="@+id/clear"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="clear" />

</LinearLayout>

**JAVA CODE**

package com.example.database\_management;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

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 {

EditTextid,name,place;

Button insert,select,update,delete,clear;

AlertDialog.Builder builder;

SQLiteDatabasedb;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

id = findViewById(R.id.id);

name = findViewById(R.id.name);

place = findViewById(R.id.place);

insert = findViewById(R.id.insert);

select = findViewById(R.id.select);

update = findViewById(R.id.update);

delete = findViewById(R.id.delete);

clear = findViewById(R.id.clear);

builder = new AlertDialog.Builder(this);

try {

db=openOrCreateDatabase("empdb",MODE\_PRIVATE,null);

db.execSQL("create table employee(id integer primary key,nameText,place Text)");

Toast.makeText(getApplicationContext(),

"table created successfully",Toast.LENGTH\_SHORT).show();

} catch (Exception e) {

}

insert.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

try {

db.execSQL("insert into employee values(" + id.getText().toString() + ",'" + name.getText().toString() + "','" + place.getText().toString() + "')");

Toast.makeText(getApplicationContext(),

"inserted successfully", Toast.LENGTH\_SHORT).show();

}

catch(Exception e)

{

Toast.makeText(getApplicationContext(),

"error", Toast.LENGTH\_SHORT).show();

}

}

});

clear.callOnClick();

select.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Cursor c=db.rawQuery("select \* from employee",null);

if(c.getCount()==0)

{

Toast.makeText(getApplicationContext(),

"no record", Toast.LENGTH\_SHORT).show();

}

else

{

StringBuffer b=new StringBuffer();

while(c.moveToNext())

{

b.append("id:"+c.getString(0)+"\n");

b.append("name:"+c.getString(1)+"\n");

b.append("place:"+c.getString(2)+"\n");

Toast.makeText(getApplicationContext(),

b.toString(), Toast.LENGTH\_SHORT).show();

builder.setMessage(b.toString());

AlertDialog alert=builder.create();

alert.setTitle("Employee data");

alert.show();

}

}

}

});

update.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

db.execSQL("update

employee set name='"+name.getText().toString()+"',place='"+place.getText().toString()+"' where id="+id.getText().toString()+"");

Toast.makeText(getApplicationContext(),

"updated....", Toast.LENGTH\_SHORT).show();

}

});

delete.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

db.execSQL("delete from employee where id="+id.getText().toString());

Toast.makeText(getApplicationContext(),"ItemDeleted", Toast.LENGTH\_SHORT).show();

}

});

clear.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

id.setText("");

name.setText("");

place.setText("");

}

});

clear.callOnClick();

}

}

**OUTPUT**

