COURSE OUTCOME:2

PROGRAM:1

AIM: Design a registration activity and store registration details in local memory of phone

using Intents and SharedPreferences

SOURCE CODE:

Activity\_main.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=".MainActivity">

<EditText

android:id="@+id/name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Name"

android:inputType="textPersonName" />

<EditText

android:id="@+id/email"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Email"

android:inputType="textEmailAddress" />

<EditText

android:id="@+id/phn"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Phone Number"

android:inputType="phone" />

<EditText

android:id="@+id/address"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="Address"

android:inputType="textPersonName" />

<Button

android:id="@+id/register"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:onClick="register\_details"

android:text="REGISTER" />

<TextView

android:id="@+id/textView2"

android:layout\_width="match\_parent"

android:layout\_height="41dp"

android:text="Saved Text:"

android:textStyle="bold" />

<TextView

android:id="@+id/t1"

android:layout\_width="match\_parent"

android:layout\_height="38dp" />

<TextView

android:id="@+id/t2"

android:layout\_width="match\_parent"

android:layout\_height="38dp" />

<TextView

android:id="@+id/t3"

android:layout\_width="match\_parent"

android:layout\_height="34dp" />

<TextView

android:id="@+id/t4"

android:layout\_width="match\_parent"

android:layout\_height="38dp" />

</LinearLayout>

MainActivity.java:

package com.example.co2q1sharedprefernce;

import static android.content.Context.MODE\_PRIVATE;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

EditText e1,e2,e3,e4;

Button b1;

TextView t1,t2,t3,t4;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

e1=(EditText)findViewById(R.id.name);

e2=(EditText)findViewById(R.id.email);

e3=(EditText)findViewById(R.id.phn);

e4=(EditText)findViewById(R.id.address);

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

t1=(TextView)findViewById(R.id.t1);

t2=(TextView)findViewById(R.id.t2);

t3=(TextView)findViewById(R.id.t3);

t4=(TextView)findViewById(R.id.t4);

}

public void register\_details(View view)

{

String name=e1.getText().toString();

String email=e2.getText().toString();

String phno=e3.getText().toString();

String address=e4.getText().toString();

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

i.putExtra("name",name);

i.putExtra("email",email);

i.putExtra("phno",phno);

i.putExtra("address",address);

startActivity(i);

}

@Override

protected void onResume()

{

super.onResume();

SharedPreferences sh = getSharedPreferences("SharedPrefernceTest", MODE\_PRIVATE);

String name\_retrived=sh.getString("name","");

String email\_retrived=sh.getString("email","");

String phno\_retrived=sh.getString("phno","");

String address=sh.getString("address","");

t1.setText(name\_retrived);

t2.setText(email\_retrived);

t3.setText(phno\_retrived);

t4.setText(address);

}

@Override

protected void onPause()

{

super.onPause();

SharedPreferences sharedPreferences = getSharedPreferences("SharedPrefernceTest", MODE\_PRIVATE);

SharedPreferences.Editor editor = sharedPreferences.edit();

editor.putString("name", e1.getText().toString());

editor.putString("email",e2.getText().toString());

editor.putString("phno",e3.getText().toString());

editor.putString("address",e4.getText().toString());

editor.commit();

}

}

Activity\_main2.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="48dp"

android:text="Your details are as follows:"

android:textSize="18sp"

android:textStyle="bold" />

<EditText

android:id="@+id/rname"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPersonName" />

<EditText

android:id="@+id/rphno"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPersonName"

android:text="Name" />

<EditText

android:id="@+id/raddress"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:ems="10"

android:inputType="textPersonName"

android:text="Name" />

</LinearLayout>

MainActivity2.java:

package com.example.co2q1sharedprefernce;

import android.os.Bundle;

import android.widget.EditText;

import androidx.appcompat.app.AppCompatActivity;

class SecondActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main2);

String Name = getIntent().getExtras().getString("name");

String Phno = getIntent().getExtras().getString("phno");

String Address = getIntent().getExtras().getString("address");

EditText r1,r2,r3;

r1=(EditText)findViewById(R.id.rname);

r1.setText(Name);

r2=(EditText)findViewById(R.id.rphno);

r2.setText(Phno);

r3=(EditText)findViewById(R.id.raddress);

r3.setText(Address);

}

}

OUTPUT:

  