PROGRAM NO :1

AIM: Design a registration activity and store registration details in local memory of phone using Intents and SharedPreferences.

PROGRAM CODE:

| Mainactivity .java | ```java
package com.example.regristationactivity;


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;


public class MainActivity extends AppCompatActivity {

    String Name;

    String Address;

    String Phone;

    String Email;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);
``` |

```java
    }

    public void onSubmit(View view){

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

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

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

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

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

        Name=  name.getText().toString();

        Address = add.getText().toString();

        Phone = phone.getText().toString();

        Email = email.getText().toString();

        SharedPreferences sharedPreferences =
getSharedPreferences("MySharedPref",MODE_PRIVATE);

        SharedPreferences.Editor myEdit =
sharedPreferences.edit();

        myEdit.putString("name", name.getText().toString());

        myEdit.putString("add", add.getText().toString());

        myEdit.putString("phone", phone.getText().toString());

        myEdit.putString("email", email.getText().toString());

        myEdit.apply();

        i.putExtra("Name",Name);

        i.putExtra("Address",Address);

        i.putExtra("Phone",Phone);

        i.putExtra("Email",Email);

        startActivity(i);

    }
```

| | ```
    @Override

    protected void onResume() {

        super.onResume();

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

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

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

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

        SharedPreferences sh =
getSharedPreferences("MySharedPref", MODE_PRIVATE);

        name.setText(sh.getString("name",""));

        add.setText(sh.getString("add",""));

        phone.setText(sh.getString("phone",""));

        email.setText(sh.getString("email",""));



    }

}
``` |
| Activity_main.xml | ```
<?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="#E8BEE4"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/add"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Address"
        android:inputType="textPostalAddress"
``` |

```
                    app:layout_constraintBottom_toBottomOf="parent"
                    app:layout_constraintEnd_toEndOf="parent"
                    app:layout_constraintHorizontal_bias="1.0"
                    app:layout_constraintStart_toStartOf="parent"
                    app:layout_constraintTop_toTopOf="parent"
                    app:layout_constraintVertical_bias="0.412" />

                <EditText
                    android:id="@+id/email"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:ems="10"
                    android:hint="Email"
                    android:inputType="textWebEmailAddress"
                    app:layout_constraintBottom_toBottomOf="parent"
                    app:layout_constraintEnd_toEndOf="parent"
                    app:layout_constraintHorizontal_bias="1.0"
                    app:layout_constraintStart_toStartOf="parent"
                    app:layout_constraintTop_toTopOf="parent"
                    app:layout_constraintVertical_bias="0.661" />

                <EditText
                    android:id="@+id/phone"
                    android:layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:ems="10"
                    android:hint="Phone"
                    android:inputType="phone"
                    app:layout_constraintBottom_toBottomOf="parent"
                    app:layout_constraintEnd_toEndOf="parent"
                    app:layout_constraintHorizontal_bias="1.0"
                    app:layout_constraintStart_toStartOf="parent"
                    app:layout_constraintTop_toTopOf="parent"
                    app:layout_constraintVertical_bias="0.529" />

                <TextView
                    android:id="@+id/t1"
                    android:layout_width="132dp"
                    android:layout_height="30dp"
                    android:text="Name"
                    android:textAlignment="center"
                    android:textStyle="bold"
                    app:layout_constraintBottom_toBottomOf="parent"
```

```xml
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.093"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.313" />

    <TextView
        android:id="@+id/t4"
        android:layout_width="132dp"
        android:layout_height="30dp"
        android:text="Email"
        android:textAlignment="center"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.093"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.659" />

    <TextView
        android:id="@+id/t2"
        android:layout_width="132dp"
        android:layout_height="30dp"
        android:text="Address"
        android:textAlignment="center"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.093"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.413" />

    <TextView
        android:layout_width="230dp"
        android:layout_height="37dp"
        android:text="REGISTER"
        android:textAlignment="center"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintLeft_toLeftOf="parent"
```

```xml
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.023" />

    <TextView
        android:id="@+id/t3"
        android:layout_width="132dp"
        android:layout_height="30dp"
        android:text="Phone"
        android:textAlignment="center"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.093"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.517" />

    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.307" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="144dp"
        android:layout_marginTop="51dp"
        android:layout_marginEnd="177dp"
        android:layout_marginBottom="133dp"
        android:onClick="onSubmit"
        android:text="Login"
        app:layout_constraintBottom_toBottomOf="parent"
```

	app:layout_constraintEnd_toEndOf="parent" app:layout_constraintHorizontal_bias="1.0" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toBottomOf="@+id/email" app:layout_constraintVertical_bias="1.0" /> </androidx.constraintlayout.widget.ConstraintLayout>

Main_activit
y.java
	``java
	package com.example.regristationactivity;
	
	import androidx.appcompat.app.AppCompatActivity;
	
	import android.os.Bundle;
	import android.widget.TextView;
	
	public class MainActivity2 extends AppCompatActivity {
	
	    @Override
	    protected void onCreate(Bundle savedInstanceState) {
	        super.onCreate(savedInstanceState);
	        setContentView(R.layout.activity_main2);
	
	        TextView t1 = (TextView) findViewById(R.id.name2);
	        TextView t2 = (TextView) findViewById(R.id.add2);
	        TextView t3 = (TextView) findViewById(R.id.phone2);
	        TextView t4 = (TextView) findViewById(R.id.email2);
	        Bundle extras = getIntent().getExtras();
	        String name2 = extras.getString("Name");
	        String add2 = extras.getString("Address");
	        String phone2 = extras.getString("Phone");
	        String email2 = extras.getString("Email");
	        t1.setText(name2);
	        t2.setText(add2);
	        t3.setText(phone2);
	        t4.setText(email2);
	    }
	
	}
	``

| Activity_main2.xml | ```xml
<?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/name2"
        android:layout_width="239dp"
        android:layout_height="26dp"
        android:text="TextView"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.128" />

    <TextView
        android:id="@+id/email2"
        android:layout_width="239dp"
        android:layout_height="26dp"
        android:text="TextView"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.401" />

    <TextView
        android:id="@+id/add2"
        android:layout_width="239dp"
        android:layout_height="26dp"
        android:text="TextView"
        android:textAlignment="center"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
``` |
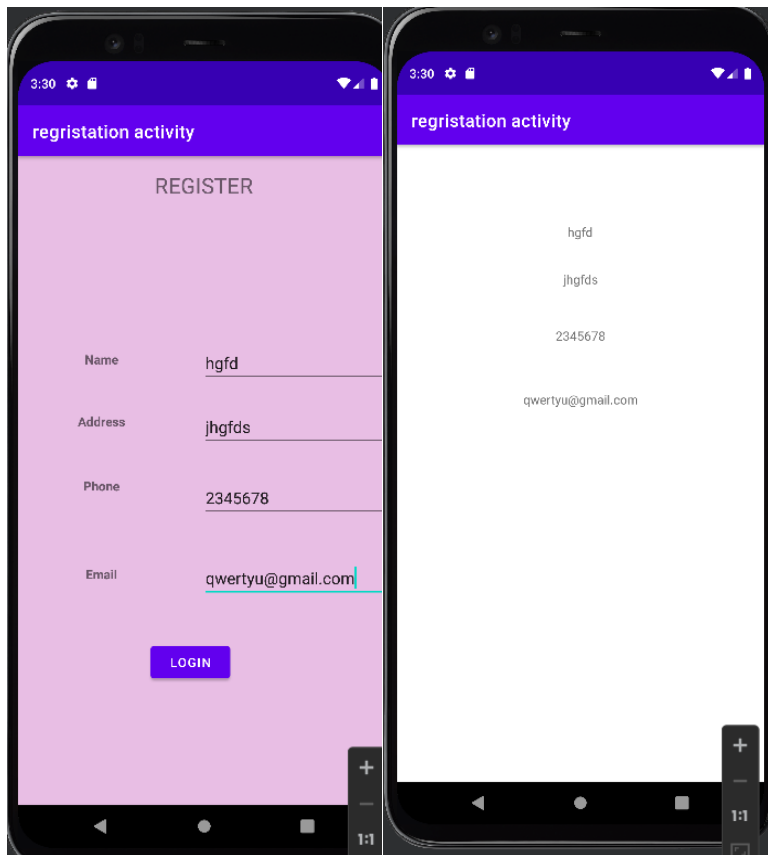
| | app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.205" />

   <TextView
     android:id="@+id/phone2"
     android:layout_width="239dp"
     android:layout_height="26dp"
     android:text="TextView"
     android:textAlignment="center"
     app:layout_constraintBottom_toBottomOf="parent"
     app:layout_constraintEnd_toEndOf="parent"
     app:layout_constraintStart_toStartOf="parent"
     app:layout_constraintTop_toTopOf="parent"
     app:layout_constraintVertical_bias="0.297" />
</androidx.constraintlayout.widget.ConstraintLayout> |

OUTPUT:

<u>RESULT</u>

Program Has Been Succesfully Executed And Output Is Obtained.