**Program no:6**

**Aim** Design a registration activity and store registration details in local-memory of phone using Intents and SharedPreferences

# XML Code:

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

xmlns:app=["ht](http://schemas.android.com/apk/res-auto)t[p://schemas.android.com/apk/res-auto](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/textView3" android:layout\_width="60dp" android:layout\_height="17dp" android:text="Name"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.091" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.222" />

<EditText android:id="@+id/name"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.756" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.215" />

<TextView android:id="@+id/textView4" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Email ID" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.096" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.325" />

<EditText android:id="@+id/em"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.761" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.319" />

<TextView android:id="@+id/textView5" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Phone No." app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.09" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.435" />

<EditText android:id="@+id/ph"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="number"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.761" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.431" />

<Button

android:id="@+id/sav" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="SAVE" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.413" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.562" />

<TextView android:id="@+id/textView6" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Enter Your Details" android:textSize="25sp" android:textStyle="bold"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.464" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.133" />

</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity2

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

xmlns:app=["ht](http://schemas.android.com/apk/res-auto)t[p://schemas.android.com/apk/res-auto](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/textView2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Your Details Using Intent" android:textStyle="bold" android:textSize="20sp"

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="0.146" />

<TextView android:id="@+id/dis"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:textStyle="italic" android:textSize="15sp"

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="0.233" />

<TextView android:id="@+id/textView3" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Your Details Using Shared Preference" android:textSize="20sp"

android:textStyle="bold" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.771" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.467" />

<TextView android:id="@+id/dis1"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:textSize="15sp"

android:textStyle="italic" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.527" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.571" />

</androidx.constraintlayout.widget.ConstraintLayout>

# Java Code:

package com.example.myapplication;

import androidx.appcompat.app.ActionBar;

import androidx.appcompat.app.AppCompatActivity;import android.content.Intent;

import android.content.SharedPreferences;import android.os.Bundle;

import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.TextView;

public class MainActivity extends AppCompatActivity { @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);ActionBar a=getSupportActionBar(); a.setTitle("Welcome"); Button sub=findViewById(R.id.sav); EditText nam=findViewById(R.id.name);EditText

email=findViewById(R.id.em); EditText phone=findViewById(R.id.ph); sub.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent i=new Intent(MainActivity.this,MainActivity2.class);String user= nam.getText().toString(); i.putExtra("Name",user);

String E\_mail=email.getText().toString(); i.putExtra("Email",E\_mail);

String Phones=phone.getText().toString(); i.putExtra("Phone",Phones); startActivity(i);

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

SharedPreferences.Editor myEdit = sharedPreferences.edit(); myEdit.putString("name", nam.getText().toString()); myEdit.putString("email", email.getText().toString()); myEdit.putString("phone", phone.getText().toString());

myEdit.apply();

}

});

}

}

MainActivity2

package com.example.myapplication;

import androidx.appcompat.app.ActionBar;

import androidx.appcompat.app.AppCompatActivity;import android.content.Intent;

import android.content.SharedPreferences;import android.os.Bundle;

import android.widget.TextView;

import com.example.myapplication.R;

public class MainActivity2 extends AppCompatActivity { @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main2);ActionBar a=getSupportActionBar(); a.setTitle("Display"); TextView diss=findViewById(R.id.dis);

TextView diss1=findViewById(R.id.dis1);Intent i=getIntent();

String name=i.getStringExtra("Name"); String email=i.getStringExtra("Email"); String phone=i.getStringExtra("Phone");

diss.setText("Name : "+name+"\nEmail : "+email+"\nPhone : "+phone);

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

String Name=sharedPreferences.getString("name",""); String Email=sharedPreferences.getString("email",""); String Phone=sharedPreferences.getString("phone","");

diss1.setText("Name : "+Name+"\nEmail : "+Email+"\nPhone : "+Phone);

}

}

# Output:

