

Program no:6

Aim: Program to 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="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/txt1"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:text="Registration"

        android:layout_marginTop="50dp"

        android:textSize="25sp"

        app:layout_constraintLeft_toLeftOf="parent"

        app:layout_constraintRight_toRightOf="parent"

        app:layout_constraintTop_toTopOf="parent" />

    <EditText

        android:id="@+id/edt1"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"
```

```
android:layout_marginTop="100dp"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintEnd_toEndOf="parent"
android:paddingStart="10dp"
app:layout_constraintTop_toBottomOf="@+id/txt1"
android:hint="Name"/>
```

<EditText

```
android:id="@+id/edt2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintEnd_toEndOf="parent"
android:paddingStart="10dp"
app:layout_constraintTop_toBottomOf="@+id/edt1"
android:hint="Email"/>
```

<EditText

```
android:id="@+id/edt3"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="10dp"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintEnd_toEndOf="parent"
android:paddingStart="10dp"
app:layout_constraintTop_toBottomOf="@+id/edt2"
android:hint="Password"/>
```

<Button

```
android:layout_width="wrap_content"
```

```
        android:id="@+id/btn1"
        android:layout_height="wrap_content"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/edt3"
        android:layout_marginTop="30dp"
        android:text="Register"/>
</androidx.constraintlayout.widget.ConstraintLayout>
.constraintlayout.widget.ConstraintLayout>
```

#activity2.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/txt1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        android:layout_marginTop="70dp"
        android:layout_marginHorizontal="20dp"/>
```

```
<TextView
    android:id="@+id/txt2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txt1"
    android:layout_marginTop="70dp"
    android:layout_marginHorizontal="20dp"/>
```

```
<TextView
    android:id="@+id/txt3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/txt2"
    android:layout_marginTop="70dp"
    android:layout_marginHorizontal="20dp"/>
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code:

```
package com.example.sharedpref;

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.Toast;

public class MainActivity extends AppCompatActivity {

    EditText e1, e2, e3;

    Button b1;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        e1 = findViewById(R.id.edt1);
        e2 = findViewById(R.id.edt2);
        e3 = findViewById(R.id.edt3);
        b1 = findViewById(R.id.btn1);
        b1.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                String a, b, c;

                a = e1.getText().toString();

                b = e2.getText().toString();

                c = e3.getText().toString();

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

                SharedPreferences.Editor editor = sharedPreferences.edit();

                editor.putString("name", a);

                editor.putString("email", b);

                editor.putString("password", c);

                editor.apply();
```

```
Intent intent = new Intent(MainActivity.this, MainActivity2.class);
startActivity(intent);
    }
});

}
}
```

#mainactivity2.java

```
package com.example.sharedpref;
import androidx.appcompat.app.AppCompatActivity;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity2 extends AppCompatActivity {

    TextView t1, t2, t3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        t1 = findViewById(R.id.txt1);
        t2 = findViewById(R.id.txt2);
        t3 = findViewById(R.id.txt3);

        SharedPreferences sharedPreferences = getSharedPreferences("myKey",
        MODE_PRIVATE);
```

```
String name, email, password;

name = "Name: "+sharedPreferences.getString("name", "");
email = "Email: "+sharedPreferences.getString("email", "");
password = "Password: "+sharedPreferences.getString("password", "");


t1.setText(name);
t2.setText(email);
t3.setText(password);
}
}
```

Output:

shared pref	shared pref
Registration	
avani	Name: avani
avani@gamil.com	Email: avani@gamil.com
kjhggbc	Password: kjhggbc
REGISTER	