

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

```
<?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/etname"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="enter your name"
        android:inputType="textPersonName"
        android:text="" />

    <EditText
        android:id="@+id/etage"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="enter your age"
        android:inputType="number"
        android:text="" />

    <RadioGroup
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <RadioButton
            android:id="@+id/rdmale"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="MALE" />

        <RadioButton
            android:id="@+id/rdfemale"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="FEMALE" />

    </RadioGroup>

</LinearLayout>
```

```
</RadioGroup>
```

```
<Spinner  
    android:id="@+id/country"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:entries="@array/list" />
```

```
<Button  
    android:id="@+id/btnext"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:text="Next" />
```

```
</LinearLayout>
```

```
package com.example.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.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.RadioButton;
```

```
import android.widget.Spinner;
```

```
public class MainActivity extends AppCompatActivity {
```

```
    EditText name, age;
```

```
    RadioButton male, female;
```

```
    Spinner list;
```

```
    Button next;
```

```
    SharedPreferences sp;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

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

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

```
        age = (EditText) findViewById(R.id.etage);
```

```
        male = (RadioButton) findViewById(R.id.rdmale);
```

```
        female = (RadioButton) findViewById(R.id.rdfemale);
```

```
        list = (Spinner) findViewById(R.id.country);
```

```
        next = (Button) findViewById(R.id.btnext);
```

```
        sp = getSharedPreferences("Register", MODE_PRIVATE);
```

```

        next.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                SharedPreferences.Editor ed = sp.edit();
                ed.putString("name", name.getText().toString());
                ed.putInt("age", Integer.parseInt(age.getText().toString()));
                ed.putString("country", list.getSelectedItem().toString());
                ed.putBoolean("gender", male.isChecked());
                ed.commit();
                Intent in = new Intent(MainActivity.this,
MainActivity2.class);
                Bundle bd= new Bundle();
                bd.putString("name",name.getText().toString());
                bd.putBoolean("gender", male.isChecked());
                bd.putInt("age",Integer.parseInt(age.getText().toString()));
                bd.putString("country",list.getSelectedItem().toString());
                in.putExtra("all",bd);
                startActivity(in);
            }
        });
    }
}

```

```

<?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/tv1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="WELCOME" />

    <TextView
        android:id="@+id/tv2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="world" />

```

```
</LinearLayout>
```

```
package com.example.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 tv1,tv2;
    SharedPreferences sp;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        tv1=(TextView)findViewById(R.id.tv1);
        tv2=(TextView)findViewById(R.id.tv2);
        sp=getSharedPreferences("Register",MODE_PRIVATE);
        String name= sp.getString("name","sanchana");
        int age= sp.getInt("age",0);
        boolean gen=sp.getBoolean("gender",false);
        String con= sp.getString("country","India");
        tv1.setText(""+name+"\n"+age+"\n"+gen+"\n"+con);

        Intent in =getIntent();
        Bundle bd=in.getBundleExtra("all");
        name=bd.getString("name","maya");
        age=bd.getInt("age",0);
        gen=bd.getBoolean("gender",true);
        con=bd.getString("country","india");
        tv1.setText(""+name+"\n"+age+"\n"+gen+"\n"+con);
    }
}
```

```
<resources>
    <string name="app_name">Shared</string>
    <string-array name="list">
        <item>INDIA</item>
        <item>USA</item>
        <item>UK</item>
    </string-array>
</resources>
```

