**Date :- / /**

**Practical No :- 03**

**Practical Name :- Write a program to create UI with one screen having radio button of the types of cars. On selecting any car name, next screen should show car details.**

**Roll No :- 24**

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* **CODE :-**

**Acitivity\_main1.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">  
  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="230dp"  
 android:layout\_height="92dp"  
 android:text="SELECT CAR"  
 android:textSize="34sp"  
 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="0.105" />  
  
 <RadioGroup  
 android:id="@+id/group"  
 android:layout\_width="231dp"  
 android:layout\_height="195dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Maruti 800"  
 android:textSize="20sp" />  
  
 <RadioButton  
 android:id="@+id/radioButton4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Renault duster"  
 android:textSize="20sp" />  
  
 <RadioButton  
 android:id="@+id/radioButton5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Scorpio"  
 android:textSize="20sp" />  
 </RadioGroup>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Acitivity\_main2.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"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="124dp"  
 android:layout\_height="72dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:text="Activity 2"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Acitivity\_main3.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">  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="115dp"  
 android:layout\_height="91dp"  
 android:text="TextView"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**Acitivity\_main4.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">  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="TextView"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**AndroidManifest.xml :-**

*<?*xml version="1.0" encoding="utf-8"*?>*<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools">  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.Carexample"  
 tools:targetApi="31">  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 <activity  
 android:name=".MainActivity2">  
 </activity>  
 <activity  
 android:name=".MainActivity3">  
 </activity>  
 <activity  
 android:name=".MainActivity4">  
 </activity>  
  
 <meta-data  
 android:name="android.app.lib\_name"  
 android:value="" />  
  
 </application>  
  
</manifest>

**MainAcitivity.java :-**

package com.example.carexample;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.RadioGroup;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 private RadioGroup radioGroup ;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main1*);  
 radioGroup =(RadioGroup) findViewById(R.id .*group* );  
 radioGroup .setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() {  
 @Override  
 public void onCheckedChanged(RadioGroup radioGroup, int i) {  
 switch (i ) {  
 case R.id.*radioButton3*:  
 Intent intent = new Intent(getBaseContext() ,MainActivity2 .class );  
 startActivity(intent);  
 break;  
 case R.id.*radioButton4*:  
 Intent intent1 = new Intent(getBaseContext() ,MainActivity3 .class );  
 startActivity(intent1);  
 break;  
 case R.id.*radioButton5*:  
 Intent intent2 = new Intent(getBaseContext() ,MainActivity4 .class );  
 startActivity(intent2);  
 break;  
 default :  
 Toast.*makeText*(MainActivity.this, "Another Case", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 }) ;  
  
 }  
}

**MainAcitivity2.java :-**

package com.example.carexample;  
  
import android.os.Bundle;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity2 extends AppCompatActivity {  
 TextView textView ;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
  
  
  
 textView =(TextView) findViewById(R.id.*textView* );  
 textView .setText("Car was launched on 14 December 1983 and " +  
 "manufactured by Maruti Suzuki in India");  
  
 *//Toast.makeText(this, "Activity 2", Toast.LENGTH\_SHORT).show();* }  
}

**MainAcitivity3.java :-**

package com.example.carexample;  
  
import android.os.Bundle;  
import android.widget.TextView;  
import android.widget.Toast;  
  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity3 extends AppCompatActivity {  
 TextView textView3 ;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main3*);  
  
  
  
 textView3 =(TextView) findViewById(R.id.*textView3*);  
 textView3 .setText("Car was launched in year 2012 and " +  
 "Renault India Private Limted " +  
 "is a wholly owned subsidiary " +  
 "of Renault S.A., France");  
  
 Toast.*makeText*(this, "Activity 3", Toast.*LENGTH\_SHORT*).show();  
 }  
}

**MainAcitivity4.java :-**

package com.example.carexample;  
  
import android.os.Bundle;  
import android.widget.TextView;  
import android.widget.Toast;  
  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity4 extends AppCompatActivity {  
 TextView textView4 ;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main4*);  
  
  
  
 textView4 =(TextView) findViewById(R.id.*textView4* );  
 textView4 .setText("Car was launched in June 2022 and manufactured by Mahindra");  
  
 Toast.*makeText*(this, "Activity 4", Toast.*LENGTH\_SHORT*).show();  
 }  
}

* **OUTPUT :-**

 

 