***slip7***

***Q1. Create an Android Application That Demostrate Radio Button***

***Xml file Slip6 q1 same as slip12 also***

***Q1 Create a Simple application which send –Hello message from one activity to another with the help of Button (Use Intent)***

***Xml File 1***

*<?*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/edit\_text"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:hint="enter here"  
 android:inputType="text"/>  
 <Button  
 android:id="@+id/btn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Click here"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="16dp"/>  
</LinearLayout>

***Java file 1***

package com.example.slip12hillapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
import java.time.temporal.ValueRange;  
  
public class MainActivity extends AppCompatActivity {  
 private static String *value*;  
 public static String getValue(){  
 return *value*;  
 }  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 final EditText edittext= (EditText)findViewById(R.id.*edit\_text*);  
 Button button= (Button)findViewById(R.id.*btn*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 *value* = edittext.getText().toString().trim();  
 Intent intent=new Intent(MainActivity.this,SecondActivity.class);  
 startActivity(intent);  
 }  
 });  
  
 }  
}

***XML file 2***

*<?*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:gravity="center"  
 tools:context=".SecondActivity">  
 <TextView  
 android:id="@+id/text\_view"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"/>  
  
</LinearLayout>

***Java file 2***

package com.example.slip12hillapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class SecondActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
 TextView textView =findViewById(R.id.*text\_view*);  
 textView.setText(MainActivity.*getValue*());  
 }  
}

***Q2 Create Android application that Demostrate ListView And onClick of list Display the Toast***

***Xml file 1***

*<?*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">  
  
 <TextView  
 android:id="@+id/message"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="18sp"  
 android:textStyle="bold"  
 android:padding="16dp"  
 android:text="Click an item to display the selection."/>  
  
 <ListView  
 android:id="@+id/list\_view"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"/>  
  
  
</LinearLayout>

**Java file**

package com.example.listview1application;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.TextView;  
import android.widget.ListView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 private ListView listView;  
  
 private TextView message;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 *// Get references to the ListView and TextView elements* listView = findViewById(R.id.*list\_view*);  
 *// message = findViewById(R.id.message);  
  
 // Create an array of items to display in the ListView* String[] items = {"Item 1", "Item 2", "Item 3", "Item 4", "Item 5"};  
  
 *// Create an ArrayAdapter to map the items to the views* ArrayAdapter<String> adapter = new ArrayAdapter<String>(this, android.R.layout.*simple\_list\_item\_1*, items);  
  
  
 *// Set the adapter on the ListView to display the items* listView.setAdapter(adapter);  
  
 *// Set an OnItemClickListener to display a message when an item is clicked* listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> parent, View view, int position, long id) {  
 String selectedItem = (String) parent.getItemAtPosition(position);  
 *//message.setText("You selected: " + selectedItem);* Toast.*makeText*(MainActivity.this, "You have selected"+selectedItem, Toast.*LENGTH\_SHORT*).show();  
  
 }  
 });  
  
 }  
}

*<?*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">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:padding="100dp">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Select your gender:"/>  
  
 <RadioGroup  
 android:id="@+id/rg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
 <RadioButton  
 android:id="@+id/rb1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="male"/>  
  
 <RadioButton  
 android:id="@+id/rb2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="femal"/>  
 </RadioGroup>  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="submit"/>  
 </LinearLayout>  
  
</LinearLayout>

**javaFile**

package com.example.radiobuttonslip7application;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 private RadioGroup radioGroupGender;  
 private RadioButton radioButtonSelected;  
 private Button buttonSubmit;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 radioGroupGender=findViewById(R.id.*rg*);  
 buttonSubmit=findViewById(R.id.*button*);  
  
 buttonSubmit.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int selectedId=radioGroupGender.getCheckedRadioButtonId(); *// this method used to return which id selected h  
 //here we check* if(selectedId==-1){  
 Toast.*makeText*(MainActivity.this, "please select your gender", Toast.*LENGTH\_SHORT*).show();  
 }  
 else {  
 radioButtonSelected=findViewById(selectedId);  
 String selectedGender=radioButtonSelected.getText().toString();  
 Toast.*makeText*(MainActivity.this, "your gender is"+selectedGender, Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 }  
}

***Q2 Create an Android Application to Demostrate phone call using implicit Intent***

***Xml file***

*<?*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"  
 android:layout\_gravity="center"  
 tools:context=".MainActivity">  
 <EditText  
 android:id="@+id/edit\_phone"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Phone Number"  
 android:layout\_marginLeft="30dp"  
 android:layout\_marginRight="30dp"  
 android:inputType="number"  
 android:gravity="center" />  
  
  
 <Button  
 android:id="@+id/btn\_Dial"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Call"  
 android:backgroundTint="#DEDBDB"  
 android:layout\_marginLeft="50dp"  
 android:layout\_marginRight="50dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_gravity="center"/>  
  
  
  
</LinearLayout>

***Java file***

package com.example.phonecallslip7application;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class MainActivity extends AppCompatActivity {  
 Button btnDial;  
 EditText edtPhone;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 edtPhone=findViewById(R.id.*edit\_phone*);  
 btnDial=findViewById(R.id. *btn\_Dial*);  
 btnDial.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String phoneNumber =edtPhone.getText().toString();  
 Intent iDial= new Intent(Intent.*ACTION\_DIAL*,Uri.*fromParts*("tel",phoneNumber,null));  
 startActivity(iDial);  
  
 }  
 });  
 }  
}