***// slip18Q1.***

***//Q1 Create an android Application that Demostrate Alert Dilog Box***

*<?*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/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"/>  
  
</LinearLayout>

**//Java file**

package com.example.alterdilogboxapplication;  
  
import android.content.DialogInterface;  
import android.support.v7.app.AlertDialog;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 *//Single button dilog box* AlertDialog alertDialog=new AlertDialog.Builder(this).create();  
 alertDialog.setTitle("Terms & Condition");  
 alertDialog.setIcon(R.drawable.*baseline\_info\_24*);  
 alertDialog.setMessage("Have you read all the term and condition");  
  
 alertDialog.setButton(DialogInterface.*BUTTON\_POSITIVE*, "Yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 Toast.*makeText*(MainActivity.this, " Yes,You Can Process now", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
  
 alertDialog.show();

}

**(OR)MAM**

**XML FILE**

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout  
 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">  
  
 <Button  
 android:id="@+id/btn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Close app"/>  
  
  
  
</RelativeLayout>

**JAVA FILE**

package com.example.slip18dialogapplication;  
  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.DialogInterface;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 Button closeButton;  
 AlertDialog.Builder builder;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 closeButton=(Button) findViewById(R.id.*btn*);  
 builder =new AlertDialog.Builder(this);  
 closeButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 builder.setMessage(R.string.*dialog\_message*).setTitle(R.string.*dialog\_title*);  
  
 builder .setMessage("Do you want to close this application")  
 .setCancelable(false)  
 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 finish();  
 Toast.*makeText*(MainActivity.this, "you choose yes action for alert box", Toast.*LENGTH\_SHORT*).show();  
  
 }  
 })  
 .setNegativeButton("No", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
  
 dialogInterface.cancel();  
  
 Toast.*makeText*(MainActivity.this, "you choose no action for alert bo", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 AlertDialog alert = builder.create();  
  
 alert.setTitle("AlertDialogExample");  
 alert.show();  
  
 }  
 });  
  
 }  
}

**string file in res->valiue->string.xml**

<resources>  
 <string name="app\_name">Slip18DialogApplication</string>  
 <string name="dialog\_message">Welcome to Alert Dialog</string>  
 <string name="dialog\_title">Javapoint Alert Dialog</string>  
  
</resources>

**Q2Create An android application to accept two number and find power and Average Display the result on the next Activity usin context menu**

**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/number1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="numberDecimal"  
 android:hint="Enter a number"/>  
  
 <EditText  
 android:id="@+id/number2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="numberDecimal"  
 android:hint="Enter another number"/>  
 <Button  
 android:id="@+id/calculate"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Calculate"/>  
  
  
  
</LinearLayout>

Java file 1

package com.example.slip18contextmenuapplication;  
  
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;  
  
public class MainActivity extends AppCompatActivity {  
 private EditText number1;  
 private EditText number2;  
 private Button calculate;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 number1 = findViewById(R.id.*number1*);  
 number2 = findViewById(R.id.*number2*);  
 calculate = findViewById(R.id.*calculate*);  
 calculate.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 double num1 = Double.*parseDouble*(number1.getText().toString());  
 double num2 = Double.*parseDouble*(number2.getText().toString());  
  
 double power = Math.*pow*(num1, num2);  
 double average = (num1 + num2) / 2;  
  
 Intent intent = new Intent(MainActivity.this, SecondActivity.class);  
 intent.putExtra("power", power);  
 intent.putExtra("average", average);  
 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:orientation="vertical"  
 tools:context=".SecondActivity">  
  
 <TextView  
 android:id="@+id/result\_text"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"/>  
  
  
  
</LinearLayout>

**Java file2**

package com.example.slip18contextmenuapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ClipData;  
import android.content.ClipboardManager;  
import android.content.Context;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.ContextMenu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class SecondActivity extends AppCompatActivity {  
 private TextView resultText;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
 resultText = findViewById(R.id.*result\_text*);  
  
 double power = getIntent().getDoubleExtra("power", 0);  
 double average = getIntent().getDoubleExtra("average", 0);  
  
 String result = "Power: " + power + "\nAverage: " + average;  
 resultText.setText(result);  
  
 registerForContextMenu(resultText);  
  
  
 }  
  
 @Override  
 public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {  
 super.onCreateContextMenu(menu, v, menuInfo);  
 getMenuInflater().inflate(R.menu.*context\_menu*, menu);  
 }  
  
 @Override  
 public boolean onContextItemSelected(MenuItem item) {  
 switch (item.getItemId()) {  
 case R.id.*power*:  
 ClipboardManager clipboard = (ClipboardManager) getSystemService(Context.*CLIPBOARD\_SERVICE*);  
 ClipData clip = ClipData.*newPlainText*("result", resultText.getText().toString());  
 clipboard.setPrimaryClip(clip);  
 Toast.*makeText*(this, "Result copied to clipboard", Toast.*LENGTH\_SHORT*).show();  
 return true;  
 case R.id.*average*:  
 Intent shareIntent = new Intent(Intent.*ACTION\_SEND*);  
 shareIntent.setType("text/plain");  
 shareIntent.putExtra(Intent.*EXTRA\_TEXT*, resultText.getText().toString());  
 startActivity(Intent.*createChooser*(shareIntent, "Share result"));  
 return true;  
 default:  
 return super.onContextItemSelected(item);  
 }  
  
 }  
}

**Create menu file in res ->>creat new directori in 🡪 that create context\_menu for this 🡪 go to res🡪 directory🡪layou resource in ok**

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android">  
 <item  
 android:id="@+id/power"  
 android:title="Power"/>  
 <item  
 android:id="@+id/average"  
 android:title="Average"/>  
</menu>