Activity\_main.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=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="TextView"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 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="0.332" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Button"  
 android:onClick="Showpopup"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="40dp"  
 android:text="Username"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/textView"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="36dp"  
 android:text="Password"  
 app:layout\_constraintEnd\_toEndOf="@+id/textView2"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/textView2"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2" />  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="40dp"  
 android:text="Open Dialog"  
 app:layout\_constraintEnd\_toEndOf="@+id/button"  
 app:layout\_constraintHorizontal\_bias="0.487"  
 app:layout\_constraintStart\_toStartOf="@+id/button"  
 app:layout\_constraintTop\_toBottomOf="@+id/button" />  
</androidx.constraintlayout.widget.ConstraintLayout>

Layout\_dialog.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">  
 <EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="52dp"  
 android:ems="10"  
 android:hint="Password"  
 android:inputType="textPassword"  
 app:layout\_constraintEnd\_toEndOf="@+id/editTextTextPersonName"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName" />  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="64dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="First Name"  
 android:text=""  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

Pop\_up\_menu.xml

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
 <item android:id="@+id/Item1"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item1"  
 app:showAsAction="ifRoom"/>  
  
 <item android:id="@+id/Item2"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item2"  
 app:showAsAction="never"/>  
 <item android:id="@+id/Item3"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item3"  
 app:showAsAction="never">  
  
 <menu>  
 <item android:id="@+id/Item4"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item4"  
 app:showAsAction="never"/>  
  
 </menu>  
 </item>  
  
  
</menu>

Option\_menu.xml

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
 <item android:id="@+id/first"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item1"  
 app:showAsAction="ifRoom"/>  
  
 <item android:id="@+id/second"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item2"  
 app:showAsAction="never"/>  
 <item android:id="@+id/third"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item3"  
 app:showAsAction="never">  
  
 <menu>  
 <item android:id="@+id/fourth"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item4"  
 app:showAsAction="never"/>  
  
 </menu>  
 </item>  
  
  
  
</menu>

Context\_menu.xml

<?xml version="1.0" encoding="utf-8"?>  
<menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto">  
 <item android:id="@+id/Ite1"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item1"  
 app:showAsAction="ifRoom"/>  
 <item android:id="@+id/Ite2"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item2"  
 app:showAsAction="never"/>  
 <item android:id="@+id/Ite3"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item3"  
 app:showAsAction="never">  
 <menu>  
 <item android:id="@+id/Ite4"  
 android:icon="@drawable/baseline\_5k\_24"  
 android:title="Item4"  
 app:showAsAction="never"/>  
 </menu>  
 </item>  
</menu>

Main\_activity.java

package com.example.prac5;  
import com.example.prac5.R.id;  
  
  
  
import androidx.annotation.NonNull;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.ContextMenu;  
import android.view.Menu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.PopupMenu;  
import android.widget.TextView;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity implements  
 Exampledialog.Exampledialoglistner {  
 TextView username1, password1;  
  
 @Override  
 public void applyTexts(String username, String password) {  
 username1.setText(username);  
 password1.setText(password);  
 }  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 TextView textView1 = findViewById(R.id.*textView*);  
 username1 = findViewById(R.id.*textView2*);  
 password1 = findViewById(R.id.*textView3*);  
 Button open = findViewById(R.id.*button2*);  
 open.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 opendialog();  
 }  
 });  
 registerForContextMenu(textView1);  
 }  
  
 public void opendialog() {  
 Exampledialog exampledialog = new Exampledialog();  
  
 exampledialog.show(getSupportFragmentManager(), "example\_dialog");  
 }  
  
 @Override  
 public void onCreateContextMenu(ContextMenu menu, View v,  
 ContextMenu.ContextMenuInfo menuInfo) { //context menu  
  
 super.onCreateContextMenu(menu, v, menuInfo);  
 menu.setHeaderTitle("Choose your option");  
 //menu.add(0,v.getId(),0,"Item1");  
 MenuInflater menuInflater = getMenuInflater();  
 menuInflater.inflate(R.menu.*context\_menu*, menu);  
  
 }  
  
 @Override  
  
 public boolean onContextItemSelected(@NonNull MenuItem item) {  
 if (item.getItemId() == R.id.*Item1*) {  
 Toast.*makeText*(this, "First item Selected", Toast.*LENGTH\_LONG*).show();  
 return true;  
 } else if (item.getItemId() == R.id.*Item2*) {  
 Toast.*makeText*(this, "Second item Selected", Toast.*LENGTH\_LONG*).show();  
 return true;  
 } else {  
 return super.onContextItemSelected(item);  
 }  
 }  
  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) { //Options Menu  
 MenuInflater menuInflater = getMenuInflater();  
 menuInflater.inflate(R.menu.*option\_menu*, menu);  
  
 return true;  
 }  
  
 @Override  
  
 public boolean onOptionsItemSelected(@NonNull MenuItem item) {  
 if (item.getItemId() == R.id.*first*) {  
 Toast.*makeText*(this, "First item Selected", Toast.*LENGTH\_LONG*).show();  
 return true;  
 } else if (item.getItemId() == R.id.*second*) {  
 Toast.*makeText*(this, "Second item Selected", Toast.*LENGTH\_LONG*).show();  
 return true;  
 } else {  
 return super.onOptionsItemSelected(item);  
 }  
 }  
  
 public void showPopup(View view) { // Popup Menu  
 PopupMenu popupMenu = new PopupMenu(MainActivity.this, view);  
 popupMenu.getMenuInflater().inflate(R.menu.*pop\_up\_menu*, popupMenu.getMenu());  
 popupMenu.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {  
 @Override  
 public boolean onMenuItemClick(MenuItem menuItem) {  
 if (menuItem.getItemId() == R.id.*Item1*) {  
 Toast.*makeText*(MainActivity.this, "Item1 selected", Toast.*LENGTH\_LONG*).show();  
 return true;  
 } else {  
 return false;  
 }  
 }  
 });  
 popupMenu.show();  
 }  
}

Exampledialog.java

package com.example.prac5;  
import android.app.AlertDialog;  
import android.app.Dialog;  
import android.content.Context;  
import android.content.DialogInterface;  
import android.os.Bundle;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.widget.EditText;  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatDialogFragment;  
  
public class Exampledialog extends AppCompatDialogFragment {  
 public EditText username,password;  
 private Exampledialoglistner exampledialoglistner;  
 @NonNull  
  
  
  
 @Override  
 public Dialog onCreateDialog(@Nullable Bundle savedInstanceState)  
 {  
 AlertDialog.Builder builder = new  
 AlertDialog.Builder(getActivity());  
 LayoutInflater inflater=getActivity().getLayoutInflater();  
 View view = inflater.inflate(R.layout.*layout\_dialog*,null);  
 username=view.findViewById(R.id.*editTextTextPersonName*);  
 password=view.findViewById(R.id.*editTextTextPassword*);  
 builder.setView(view)  
 .setTitle("Login")  
 .setNegativeButton("cancel", new  
 DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface  
 dialogInterface, int i) {  
  
 }  
 })  
 .setPositiveButton("ok", new DialogInterface.OnClickListener()  
 {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int  
 i) {  
 String username1=username.getText().toString();  
 String password1=password.getText().toString();  
 exampledialoglistner.applyTexts(username1,password1);  
 }  
 });  
  
 return builder.create();  
 }  
  
 @Override  
 public void onAttach(@NonNull Context context) {  
 super.onAttach(context);  
 try {  
 exampledialoglistner=(Exampledialoglistner) context;  
 } catch (ClassCastException e) {  
 throw new ClassCastException(context.toString()+"must implement ExampleDialogListner");  
 }  
 }  
  
 public interface Exampledialoglistner{  
 void applyTexts(String username,String password);  
  
 }  
}