Activity_main.xml

```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:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Context_Menu!"
        android:id="@+id/textview"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.823" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="468dp"
        android:text="Click"
        android:onClick="popup"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.481"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Pop_up_menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/itemp1"
        android:title="item1"/>
    <item
        android:id="@+id/itemp2"
        android:title="item2"/>
</menu>
```

Option_menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/itemp1"
        android:title="item1"/>
    <item
        android:id="@+id/itemp2"
        android:title="item2"/>
</menu>
```

Context_menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <item
        android:id="@+id/itemc1"
        android:title="item1"/>
    <item
        android:id="@+id/itemc2"
        android:title="item2"/>
</menu>
```

Main_activity.java

```java
package com.example.prac5;


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.PopupMenu;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        TextView textView=findViewById(R.id.textview);
```

```java
            registerForContextMenu(textView);
        }
        //cntextmenu
        @Override
        public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo
    menuInfo) {
            MenuInflater menuInflater=getMenuInflater();
            menuInflater.inflate(R.menu.context_menu,menu);
        }

        @Override
        public boolean onContextItemSelected(@NonNull MenuItem item) {
            int item_id=item.getItemId();

            if(item_id==R.id.itemc1){
                Toast.makeText(this,"item1 selected",Toast.LENGTH_LONG).show();
                return true;
            }
            else if(item_id==R.id.itemc2){
                Toast.makeText(this,"item2 selected",Toast.LENGTH_LONG).show();
                return true;
            }
            else{
                return super.onContextItemSelected(item);
            }
        }
        //option menu
        @Override
        public boolean onCreateOptionsMenu(Menu menu) {
            MenuInflater menuInflater=getMenuInflater();
            menuInflater.inflate(R.menu.context_menu,menu);
            return true;
        }
        @Override
        public boolean onOptionsItemSelected(@NonNull MenuItem item) {
            int item_id=item.getItemId();

            if(item_id==R.id.itemp1){
                Toast.makeText(this,"item1 selected",Toast.LENGTH_LONG).show();
                return true;

            }
            else if(item_id==R.id.itemp2){
                Toast.makeText(this,"item2 selected",Toast.LENGTH_LONG).show();
                return true;
            }
            else{
                return super.onContextItemSelected(item);
```

```java
        }
    }

    public void popup(View view) {
        PopupMenu popupMenu=new PopupMenu(MainActivity.this,view);
        popupMenu.inflate(R.menu.pop_up_menu);
        popupMenu.show();

        popupMenu.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
            @Override
            public boolean onMenuItemClick(MenuItem item) {
                return false;
            }
        });
    }
}
```