Program 11. Demonstration of options menu

MainActivity.java

package com.example.optionmenu;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.widget.Toast;  
  
import static android.widget.Toast.*LENGTH\_LONG*;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState)  
 {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 public boolean onCreateOptionsMenu(Menu menu)  
 {  
 getMenuInflater().inflate(R.menu.*options\_menu*, menu);  
 return true;  
 }  
  
 public boolean onOptionsItemSelected(MenuItem item)  
 {  
 switch (item.getItemId()) {  
 case R.id.*message*:  
 Toast  
 .*makeText*(  
 getApplicationContext(),  
 "Shows share icon",  
 Toast.*LENGTH\_SHORT*)  
 .show();  
 return true;  
  
 case R.id.*picture*:  
 Toast  
 .*makeText*(  
 getApplicationContext(),  
 "Shows image icon",  
 Toast.*LENGTH\_SHORT*)  
 .show();  
 *//startActivity(i2);* return (true);  
  
 case R.id.*mode*:  
 Toast  
 .*makeText*(  
 getApplicationContext(),  
 "Shows call icon",  
 Toast.*LENGTH\_SHORT*)  
 .show();  
 return (true);  
  
 case R.id.*about*:  
 Toast  
 .*makeText*(  
 getApplicationContext(),  
 "calculator menu",  
 Toast.*LENGTH\_SHORT*)  
 .show();  
 return (true);  
  
 case R.id.*exit*:  
 finish();  
 return (true);  
 }  
 return (super.onOptionsItemSelected(item));  
 }  
}

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

options\_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/message"  
 android:icon="@android:drawable/ic\_menu\_send"  
 app:showAsAction="always"  
 android:title="message"/>  
  
 <item  
 android:id="@+id/picture"  
 android:icon="@android:drawable/ic\_menu\_gallery"  
 app:showAsAction="always|withText"  
 android:title="picture"/>  
  
 <item  
 android:id="@+id/mode"  
 android:icon="@android:drawable/ic\_menu\_call"  
 app:showAsAction="always"  
 android:title="mode"/>  
  
 <item  
 android:id="@+id/about"  
 android:icon="@android:drawable/ic\_dialog\_info"  
 app:showAsAction="never|withText"  
 android:title="calculator"/>  
  
 <item  
 android:id="@+id/exit"  
 app:showAsAction="never"  
 android:title="exit"/>  
  
</menu>

