# 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();

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"](http://schemas.android.com/apk/res/android)

xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/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:andr[oid="htt](http://schemas.android.com/apk/res/android)p:/[/schemas.android.com/](http://schemas.android.com/apk/res/android)a[pk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app="[http://schemas.android.com/apk/res-auto"](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>

Output

