

Program 11

Demonstration of options menu

MainActivity.java

```
package com.example.alloptionmenu;

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/search"
        android:icon="@android:drawable/ic_dialog_info"
        app:showAsAction="never|withText" android:title="Search"/>
    <item
        android:id="@+id/find"
        android:icon="@android:drawable/ic_dialog_info"
        app:showAsAction="never|withText" android:title="Find"/>
    <item
        android:id="@+id/edit"
        android:icon="@android:drawable/ic_dialog_info"
        app:showAsAction="never|withText" android:title="Edit"/>
    <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:

