

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",
                    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>
```

OUTPUT

