

Department of **Bachelor of Computer Applications**

Android Operating System Lab File - CA 09

Subject Code: 19BCA4C03L **Class:** IInd Year IInd Semester

Prepared By: Suman Garai 20BCAR0246

Question 01:

Program for Menu creation.

Code:

```
activity_main.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
    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>
                                                              MainActivity.java
package com.example.myapplication11;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.menu, menu);
        return true;
    @Override
    public boolean onOptionsItemSelected(@NonNull MenuItem item) {
        switch (item.getItemId()) {
            case R.id.search:
                Toast.makeText(this, "Search Clicked",
                        Toast. LENGTH SHORT) . show();
                break;
            case R.id.refresh:
                Toast.makeText(this, "Refresh Clicked",
                        Toast.LENGTH SHORT).show();
                break;
            case R.id.copy:
                Toast.makeText(this, "Copy Clicked",
                        Toast.LENGTH SHORT).show();
```

```
break;
        return true;
                                                                     menu.xml
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto">
    <item android:id="@+id/sea"</pre>
        android:title="search"
        android:icon="@drawable/ic search"
        app:showAsAction="ifRoom"/>
    <item android:id="@+id/more"</pre>
        android:title=""
        android:icon="@drawable/ic_baseline_more_vert_24"
        app:showAsAction="ifRoom">
            <item android:id="@+id/search"</pre>
                android:title="Search"
                android:icon="@drawable/ic baseline search 24"
                app:showAsAction="ifRoom"
                android:id="@+id/copy"
                android:icon="@drawable/ic_baseline_content_copy_24"
                app:showAsAction="ifRoom"
                android:title="Copy"/>
                android:id="@+id/refresh"
                android:title="Refresh"
                app:showAsAction="ifRoom"
                android:icon="@drawable/ic_baseline_refresh_24"/>
```

Output:

