



Department of
Bachelor of Computer Applications

Android Operating System
Lab File – CA 09

Subject Code: 19BCA4C03L
Class: IInd Year IInd Semester

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Question 01 :

Program for Menu creation.

Code :

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>
```

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;
        }
    }
}
```

```

        break;
    }
    return true;
}
}

```

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/sea"
        android:title="search"
        android:icon="@drawable/ic_search"
        app:showAsAction="ifRoom"/>
    <item android:id="@+id/more"
        android:title=""
        android:icon="@drawable/ic_baseline_more_vert_24"
        app:showAsAction="ifRoom">
        <menu>
            <item android:id="@+id/search"
                android:title="Search"
                android:icon="@drawable/ic_baseline_search_24"
                app:showAsAction="ifRoom"
            />
            <item
                android:id="@+id/copy"
                android:icon="@drawable/ic_baseline_content_copy_24"
                app:showAsAction="ifRoom"
                android:title="Copy"/>
            <item
                android:id="@+id/refresh"
                android:title="Refresh"
                app:showAsAction="ifRoom"
                android:icon="@drawable/ic_baseline_refresh_24"/>
        </menu>
    </item>
</menu>

```

Output :

