

Experiment 9

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Semester: 6th
Subject Code: 20CSP-356

UID: 20BCS9398
Section/Group: 20BCS_DM-708B
Subject Name: MAD Lab

AIM: Design the Android application using menus and action bar.

Relative Layout:

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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Kanishk (20BCS9398)"
        android:textSize="25sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```



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```
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```
package com.example.lec9_options_actionbar;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.ActionBar;  
import androidx.appcompat.app.AppCompatActivity;  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuInflater;  
import android.view.MenuItem;  
import android.widget.Toast;  
import java.util.Objects;  
  
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
    }  
}
```

```
ActionBar act = getSupportActionBar();

Objects.requireNonNull(getSupportActionBar()).setTitle("Menu & Action Bar");

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

    MenuInflater inflater = getMenuInflater();

    inflater.inflate(R.menu.example_menu, menu);

    return true;

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) {

    switch (item.getItemId()) {

        case R.id.item1:

            Toast.makeText(this, "Item 1 is selected", Toast.LENGTH_SHORT).show();

            return true;

        case R.id.item2:

            Toast.makeText(this, "Item 2 is selected", Toast.LENGTH_SHORT).show();

            return true;

        case R.id.item3:

            Toast.makeText(this, "Item 3 is selected", Toast.LENGTH_SHORT).show();

            return true;

        case R.id.subItem1:

            Toast.makeText(this, "Sub Item 1 is selected", Toast.LENGTH_SHORT).show();

            return true;

        case R.id.subItem2:
```

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```
Toast.makeText(this, "Sub Item 2 is selected", Toast.LENGTH_SHORT).show();
```

```
return true;
```

```
default:
```

```
return super.onOptionsItemSelected(item);
```

```
}
```

```
}
```

```
}
```

Output:

