“**Experiment 3.3”**

**AIM:**

Design an android application using menus and action bar.

**Requirements:**

Android Studio.

## Script and Output: MainActivity.java:

package com.example.expe9;  
  
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*);  
 getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
 }  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu){  
 getMenuInflater().inflate(R.menu.*menuresource*, menu);  
 return true;  
 }  
 @Override  
 public boolean onOptionsItemSelected(MenuItem item){  
 Toast.*makeText*(this, "Selected Item: " + item.getTitle(), Toast.*LENGTH\_SHORT*).show();  
 switch (item.getItemId()) {  
 case android.R.id.*home*:  
 finish();  
 return true;  
 case R.id.*search\_item*:  
 return true;  
 case R.id.*upload\_item*:  
 return true;  
 case R.id.*copy\_item*:  
 return true;  
 case R.id.*print\_item*:  
 return true;  
 case R.id.*share\_item*:  
 return true;  
 case R.id.*bookmark\_item*:  
 return true;  
 default:  
 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">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="SUMIT KUMAR"

android:textColor="@color/black"

android:textSize="35sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

## menuresource.xml:

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android">  
  
 <item android:id="@+id/search\_item"  
 android:icon="@drawable/ic\_launcher\_background"  
 android:title="Search" />  
 <item android:id="@+id/upload\_item"  
 android:title="Upload" />  
 <item android:id="@+id/copy\_item"  
 android:title="Copy" />  
 <item android:id="@+id/print\_item"  
 android:title="Print" />  
 <item android:id="@+id/share\_item"  
 android:title="Share" />  
 <item android:id="@+id/bookmark\_item"  
 android:title="BookMark" />  
  
</menu>

**OUTPUT:**



 

 