

## Program 5:

Create an application that displays custom designed Opening Screen.

Click Start → Android Studio, a Welcome to Android Studio dialog box will appear.

1. Click New Project, the New Project Dialog box appears.
2. Choose Empty Views Activity then click Next.
3. Specify the Name of your project, Select the Language as Java, and Select the Minimum SDK as API 16 ("Jelly Bean", Android 4.1). Click Finish Button.

activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/idTVHeading"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:layout_margin="20dp"
        android:gravity="center"
        android:padding="10dp"
        android:text="Background Drawable in Android"
        android:textAlignment="center"
        android:textColor="@color/black"
        android:textSize="20sp"
        android:textStyle="bold" />
    </RelativeLayout>
```

Main\_activity.java

```
package com.example.joshimad51;
import android.os.Bundle;
import android.widget.RelativeLayout;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    private RelativeLayout containerRL;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        containerRL = findViewById(R.id.main);
        // on below line we are setting background for
        // our relative layout on below line.
        containerRL.setBackground(getResources().getDrawable(R.drawable.back_drawable));
    }
}
```

Next Step : app --> res--> drawable --> right click on drawable --> Select New --> Click Drawable resource File -->

New Resource file window will be opened give filename as "back\_drawable.xml" and give root element as shape and set source as main and then click OK.

back\_drawable.xml file is Created

back\_drawable.xml Code:

```
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    android:shape="rectangle">
    <gradient
        android:angle="270"
        android:endColor="@color/white"
        android:startColor="#2C3A87" />
</shape>
```