**EXPERIMENT NO: 11**

**Aim**: To implement drawable in Android.

**Procedure**:

1. Rectangle.xml (drawable resource file)

<?xml version="1.0" encoding="utf-8"?>

<selector xmlns:android="http://schemas.android.com/apk/res/android">

<item>

<shape android:shape="rectangle">

<solid android:color="#009688"></solid>

<stroke android:color="@color/black"

android:width="5dp"></stroke>

<corners android:bottomLeftRadius="40dp" android:topRightRadius="40dp"></corners>

<size android:width="100dp" android:height="100dp"></size>

<gradient android:startColor="#06F3DB" android:angle="360" android:endColor="@color/black"

android:type="radial" android:gradientRadius="200dp"></gradient>

</shape>

</item>

</selector>

1. 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">

<ImageButton

android:id="@+id/imageButton2"

android:layout\_width="180dp"

android:layout\_height="250dp"

android:background="@drawable/button\_background"

android:rotationY="180"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.06"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.613" />

<ImageButton

android:id="@+id/imageButton6"

android:layout\_width="180dp"

android:layout\_height="250dp"

android:background="@drawable/button\_background"

android:rotationY="180"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.87"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.074" />

<ImageButton

android:id="@+id/imageButton"

android:layout\_width="180dp"

android:layout\_height="250dp"

android:background="@drawable/button\_background"

android:rotationX="0"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.061"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.074" />

<ImageButton

android:id="@+id/imageButton5"

android:layout\_width="180dp"

android:layout\_height="250dp"

android:background="@drawable/button\_background"

android:rotationX="0"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.87"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.613" />

</androidx.constraintlayout.widget.ConstraintLayout>

Output

