**Program: 9**

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**Aim:** Drawable

**Procedure:** 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:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.603" />  
  
  
  
 <ImageButton  
 android:layout\_width="208dp"  
 android:layout\_height="241dp"  
 android:layout\_marginBottom="60dp"  
 android:background="@drawable/drawable"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.169"  
 tools:layout\_editor\_abosulteY="229dp"/>  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

drawable.xml

*<?*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="@color/black"></solid>  
 <stroke android:color="@color/white"  
 android:width="20dp"  
 android:dashWidth="5dp"  
 android:dashGap="10dp">  
 </stroke>  
 <corners android:bottomLeftRadius="40dp"  
 android:bottomRightRadius="40dp"  
 android:topLeftRadius="40dp"  
 android:topRightRadius="40dp"></corners>  
 <size android:width="400dp"  
 android:height="350dp"></size>  
 <gradient android:startColor="@color/purple\_700"  
 android:endColor="@color/black"  
 android:centerColor="@color/design\_default\_color\_secondary"  
 android:angle="@integer/material\_motion\_duration\_long\_1"></gradient>  
 </shape>  
</item>  
</selector>

**Output**

