

Program no: 18

Aim: Program to develop application using Fragments

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/imageButton"
        android:layout_width="208dp"
        android:layout_height="173dp"
        android:background="@drawable/custom_button_background"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        tools:srcCompat="@tools:sample/backgrounds/scenic" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

custom_button_background.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/purple_700"></solid>
        <stroke android:color="@color/black"
            android:width="10dp"
            android:dashGap="40dp"
            android:dashWidth="5dp">
        </stroke>
        <corners android:bottomLeftRadius="15dp"
            android:topRightRadius="45dp" >
        </corners>

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

        <gradient
            android:startColor="@color/teal_200"
            android:endColor="@color/cardview_dark_background"
            android:angle="360"
            android:centerColor="@color/teal_200"
            android:type="radial"
            android:gradientRadius="40dp"
```

```
        android:centerX="1"  
        android:centerY="0">  
</gradient>
```

```
</shape>  
</item>  
</selector>
```

Output:



