Practical No 25

1. **Write a program to rotate the image in clockwise/anticlockwise, Zoom IN/Zoom OUT, Fade IN/Fade OUT by using the following GUI.**

Code for activity_main.xml location layout folder

```xml
<? Xml version="1.0" encoding="utf 8"'
    <LinearLayout
   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"
      android:orientation="vertical"
      tools:context=".MainActivity">
      <ImageView
        android:id="@+id/disp"
        android:layout_width="match_parent"
        android:layout_height="492dp"
        android:src="@drawable/android" />
      <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/inBtn"
        android:onClick="zoomIn"
        android:text="Zoom In"/>
      <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/outBtn"
        android:text="Zoom Out"
        android:onClick="zoomOut" />
</LinearLayout>
```

Code for MainActivity.java file location java folder

```java
      public class MainActivity extends AppCompatActivity {
        ImageView iv;
          @Override
        protected void onCreate(Bundle savedInstanceState) {
           super.onCreate(savedInstanceState);
         setContentView(R.layout.activity_main);
           iv = (ImageView)findViewById(R.id.disp);
             }
           public void zoomIn(View v) {
           Animation a=
AnimationUtils.loadAnimation(getApplicationContext(),R.anim.zoom_i
n);
           iv.startAnimation(a);
         }
        public void zoomOut(View v) {
```

```
    Animation a=
AnimationUtils.loadAnimation(getApplicationContext(),R.anim.zoom_o
ut);
     iv.startAnimation(a);
  }
}
```

Code for zoom_in.xml
```xml
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android">
  <scale
    android:duration="1000"
    android:fromXScale="1"
    android:toXScale="2"
    android:fromYScale="1"
    android:toYScale="2"
    android:pivotX="50%"
    android:pivotY="50%">
  </scale>
</set>
```

Code for zoom_out.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<set xmlns:android="http://schemas.android.com/apk/res/android">
  <scale
    android:duration="1000"
    android:fromXScale="1.0"
    android:toXScale="0.5"
    android:fromYScale="1"
    android:toYScale="0.5"
    android:pivotX="50%"
    android:pivotY="50%">
  </scale>
</set>
```