## **Animation App-**

#### MainActivity.java-

```
Animation animZoomOut =
        i1.startAnimation(animZoomIn);
    public void onClick(View view) {
        i2.startAnimation(animZoomIn);
        i1.startAnimation(animZoomOut);
```

### 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">

<Button</pre>
```

```
android: id="@+id/btn1"
<ImageView</pre>
    app:srcCompat="@drawable/a1" />
    app:srcCompat="@drawable/a2" />
```

#### Zoom in.xml-

```
android:duration="1000"
android:fromXScale="
android:fromYScale="1"
```

#### Zoom out.xml-

### Output-







# FloatingActionButton-

#### MainActivity.java-

```
package com.lab7.floatingactionsbutton;
import com.google.android.material.floatingactionbutton.FloatingActionButton;
   protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       f10 = findViewById(R.id.floatingActionButton10);
       f1.setOnClickListener((v -> {
```

```
x=1;
}
else{
    f5.setVisibility(View.INVISIBLE);
    f8.setVisibility(View.INVISIBLE);
    x=0;
}
})));
f3.setOnClickListener((v -> {
    if(y==0) {
        f6.setVisibility(View.VISIBLE);
        y=1;
    }
else{
        f6.setVisibility(View.INVISIBLE);
        y=0;
    }
})));
f4.setOnClickListener((v -> {
    if(z==0) {
        f7.setVisibility(View.VISIBLE);
        z=1;
    }
else{
    f7.setVisibility(View.VISIBLE);
    z=1;
}
else(
    f7.setVisibility(View.INVISIBLE);
    z=0;
}
})));
}
```

#### 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">

<com.google.android.material.floatingactionbutton.FloatingActionButton
android:id="@+id/floatingActionButton2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="24dp"
android:layout_marginEnd="24dp"
android:layout_marginEnbttom="32dp"
android:layout_marginEnbttom="32dp"
android:src="@drawable/abc_vector_test"
app:layout_constraintBottom_toBottomOf="@+id/floatingActionButton1"
app:layout_constraintEnd_toStartOf="@+id/floatingActionButton1" />

<com.google.android.material.floatingactionbutton.FloatingActionButton
android:id="@+id/floatingActionButton3"
android:layout_width="wrap_content"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginBottom="26dp"
android:loikable="true"
android:loikable="true"
android:loikable="true"</pre>
```

```
<com.google.android.material.floatingactionbutton.FloatingActionButton</pre>
<com.google.android.material.floatingactionbutton.FloatingActionButton</pre>
    app:layout constraintTop toTopOf="@+id/floatingActionButton5" />
<com.google.android.material.floatingactionbutton.FloatingActionButton</pre>
```

```
app:layout_constraintEnd_toStartOf="@+id/floatingActionButton6"
app:layout_constraintTop_toTopOf="@+id/floatingActionButton6" />

<com.google.android.material.floatingactionbutton.FloatingActionButton
android:id="@+id/floatingActionButton10"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="24dp"
android:layout_marginEnd="24dp"
android:clickable="true"
android:src="@android:drawable/stat_sys_phone_call_forward"
app:layout_constraintEnd_toStartOf="@+id/floatingActionButton7"
app:layout_constraintTop_toTopOf="@+id/floatingActionButton7" />

<com.google.android.material.floatingactionbutton.FloatingActionButton
android:id="@+id/floatingActionButton1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="27dp"
android:layout_marginBottom="88dp"
android:layout_marginBottom="88dp"
android:src="@android:drawable/ic_input_add"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

