*File: activity\_main.xml*

1. **<RelativeLayout** xmlns:android="http://schemas.android.com/apk/res/android"
2. xmlns:tools="http://schemas.android.com/tools"
3. android:layout\_width="match\_parent"
4. android:layout\_height="match\_parent"
5. android:paddingBottom="@dimen/activity\_vertical\_margin"
6. android:paddingLeft="@dimen/activity\_horizontal\_margin"
7. android:paddingRight="@dimen/activity\_horizontal\_margin"
8. android:paddingTop="@dimen/activity\_vertical\_margin"
9. tools:context=".MainActivity" **>**
11. **<View**
12. **/>**
14. **</RelativeLayout>**

*ile: logo.xml*

Have a image view only.

1. **<?xml** version="1.0" encoding="utf-8"**?>**
2. **<ImageView** xmlns:android="http://schemas.android.com/apk/res/android"
3. android:layout\_width="match\_parent"
4. android:layout\_height="match\_parent"
5. android:id="@+id/anm"
6. **>**
8. **</ImageView>**

*File: MainActivity.java*

1. **package** com.javatpoint.animation;
3. **import** android.os.Bundle;
4. **import** android.app.Activity;
5. **import** android.graphics.drawable.AnimationDrawable;
6. **import** android.widget.ImageView;
8. **public** **class** MainActivity **extends** Activity {
10. ImageView anm;
11. **public** **void** onCreate(Bundle savedInstanceState) {
12. **super**.onCreate(savedInstanceState);
13. setContentView(R.layout.logo);
14. anm = (ImageView)findViewById(R.id.anm);
16. anm.setBackgroundResource(R.drawable.animation);
17. // the frame-by-frame animation defined as a xml file within the drawable folder
19. /\*
20. \* NOTE: It's not possible to start the animation during the onCreate.
21. \*/
22. }
23. **public** **void** onWindowFocusChanged (**boolean** hasFocus) {
24. **super**.onWindowFocusChanged(hasFocus);
25. AnimationDrawable frameAnimation =
26. (AnimationDrawable) anm.getBackground();
27. **if**(hasFocus) {
28. frameAnimation.start();
29. } **else** {
30. frameAnimation.stop();
31. }
32. }
34. }

You need to create animation.xml file inside res/drawable-hdpi directory.

You need to have many images. Here, we are using 14 images and all the 14 images are located inside res/drawable-mdpi directory.

*File: animation.xml*

1. **<?xml** version="1.0" encoding="utf-8"**?>**
2. **<animation-list** xmlns:android="http://schemas.android.com/apk/res/android"
3. android:oneshot="false"**>**
5. **<item** android:drawable="@drawable/frame0" android:duration="120" **/>**
6. **<item** android:drawable="@drawable/frame1" android:duration="120" **/>**
7. **<item** android:drawable="@drawable/frame2" android:duration="120" **/>**
8. **<item** android:drawable="@drawable/frame3" android:duration="120" **/>**
9. **<item** android:drawable="@drawable/frame4" android:duration="120" **/>**
10. **<item** android:drawable="@drawable/frame5" android:duration="120" **/>**
11. **<item** android:drawable="@drawable/frame6" android:duration="120" **/>**
12. **<item** android:drawable="@drawable/frame7" android:duration="120" **/>**
13. **<item** android:drawable="@drawable/frame8" android:duration="120" **/>**
14. **<item** android:drawable="@drawable/frame9" android:duration="120" **/>**
15. **<item** android:drawable="@drawable/frame10" android:duration="120" **/>**
16. **<item** android:drawable="@drawable/frame11" android:duration="120" **/>**
17. **<item** android:drawable="@drawable/frame12" android:duration="120" **/>**
18. **<item** android:drawable="@drawable/frame13" android:duration="120" **/>**
19. **<item** android:drawable="@drawable/frame14" android:duration="120" **/>**
20. **<item** android:drawable="@drawable/frame14" android:duration="120" **/>**
21. **<item** android:drawable="@drawable/frame13" android:duration="120" **/>**
22. **<item** android:drawable="@drawable/frame12" android:duration="120" **/>**
23. **<item** android:drawable="@drawable/frame11" android:duration="120" **/>**
24. **<item** android:drawable="@drawable/frame10" android:duration="120" **/>**
25. **<item** android:drawable="@drawable/frame9" android:duration="120" **/>**
26. **<item** android:drawable="@drawable/frame8" android:duration="120" **/>**
27. **<item** android:drawable="@drawable/frame7" android:duration="120" **/>**
28. **<item** android:drawable="@drawable/frame6" android:duration="120" **/>**
29. **<item** android:drawable="@drawable/frame5" android:duration="120" **/>**
30. **<item** android:drawable="@drawable/frame4" android:duration="120" **/>**
31. **<item** android:drawable="@drawable/frame3" android:duration="120" **/>**
32. **<item** android:drawable="@drawable/frame2" android:duration="120" **/>**
33. **<item** android:drawable="@drawable/frame1" android:duration="120" **/>**
34. **<item** android:drawable="@drawable/frame0" android:duration="120" **/>**
36. **</animation-list>**



