

Assignment:- 6

6. Create an android Application to demonstrate frame by frame animation

Ans :

MainActivity.java :

```
package com.example.nidhi.animation;

import android.graphics.drawable.AnimationDrawable;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
public class MainActivity extends AppCompatActivity {
    private ImageView img;
    AnimationDrawable frameAnimation;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        img = (ImageView) findViewById(R.id.imageView);
        img.setBackgroundResource(R.drawable.animation1);
        frameAnimation = (AnimationDrawable) img.getBackground();
    }

    @Override

    public void onWindowFocusChanged(boolean hasFocus) {
        super.onWindowFocusChanged(hasFocus);
        if (hasFocus)
        {
            frameAnimation.start();
        }
        else {
            frameAnimation.stop();
        }
    }
}
```

Animation1.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<animation-list xmlns:android="http://schemas.android.com/apk/res/android"
    android:oneshot="false">
    <item android:drawable="@drawable/i1" android:duration="150"></item>
    <item android:drawable="@drawable/i2" android:duration="150"></item>
    <item android:drawable="@drawable/i3" android:duration="150"></item>
    <item android:drawable="@drawable/i4" android:duration="150"></item>
    <item android:drawable="@drawable/i5" android:duration="150"></item>
    <item android:drawable="@drawable/i6" android:duration="150"></item>
</animation-list>
```

OUTPUT :



