2.Devise a mobile App to showcase graphics on button states and add a widge at run time. Step-1:Create xml file inside drawable folder(File name-change)

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Change.xml:-
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
  <item
       android:state enabled="false"
       android:drawable="@drawable/button disabled"
    />
  <item
    android:state_pressed="true"
    android:drawable="@drawable/button pressed"
    />
  <item
    android:drawable="@drawable/button default"
     />
</selector>
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:id="@+id/cl"
  android:layout width="match parent"
  android:layout height="match parent"
  tools:context=".MainActivity">
  < Image Button
    android:id="@+id/imageButton"
    android:layout width="224dp"
    android:layout height="147dp"
    android:background="@drawable/change"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.108"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout_constraintVertical bias="0.909" />
  <Switch
    android:id="@+id/switch1"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Switch"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintHorizontal bias="0.829"
    app:layout constraintStart toStartOf="parent"
```

app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.836" />
</androidx.constraintlayout.widget.ConstraintLayout>

```
MainActivity.class:-
package com.durgesh.program 2;
import androidx.appcompat.app.AppCompatActivity;
import androidx.constraintlayout.widget.ConstraintLayout;
import android.os.Bundle;
import android.view.View;
import android.widget.CompoundButton;
import android.widget.DatePicker;
import android.widget.ImageButton;
import android.widget.Switch;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  private ImageButton btn;
  private Switch aSwitch;
  private ConstraintLayout cl;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    btn=findViewById(R.id.imageButton);
    aSwitch=findViewById(R.id.switch1);
    cl=findViewById(R.id.cl);
    DatePicker d=new DatePicker(this);
    cl.addView(d);
    aSwitch.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
       @Override
       public void onCheckedChanged(CompoundButton compoundButton, boolean b) {
         if(b)
         {
            btn.setEnabled(true);
         }
         else
            btn.setEnabled(false);
       }
    });
    btn.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
         Toast.makeText(MainActivity.this, "Click Button", Toast.LENGTH SHORT).show();
    });
  }
}
```



