**Experiment 4**

**Student Name: Rahul Kumar UID: 20BCS7081**

**Branch: CSE Section/Group: 716/B**

**Semester: 6th Date of Performance: 29 March 2023**

**Subject Name: MAD Lab**

1. **Aim:**

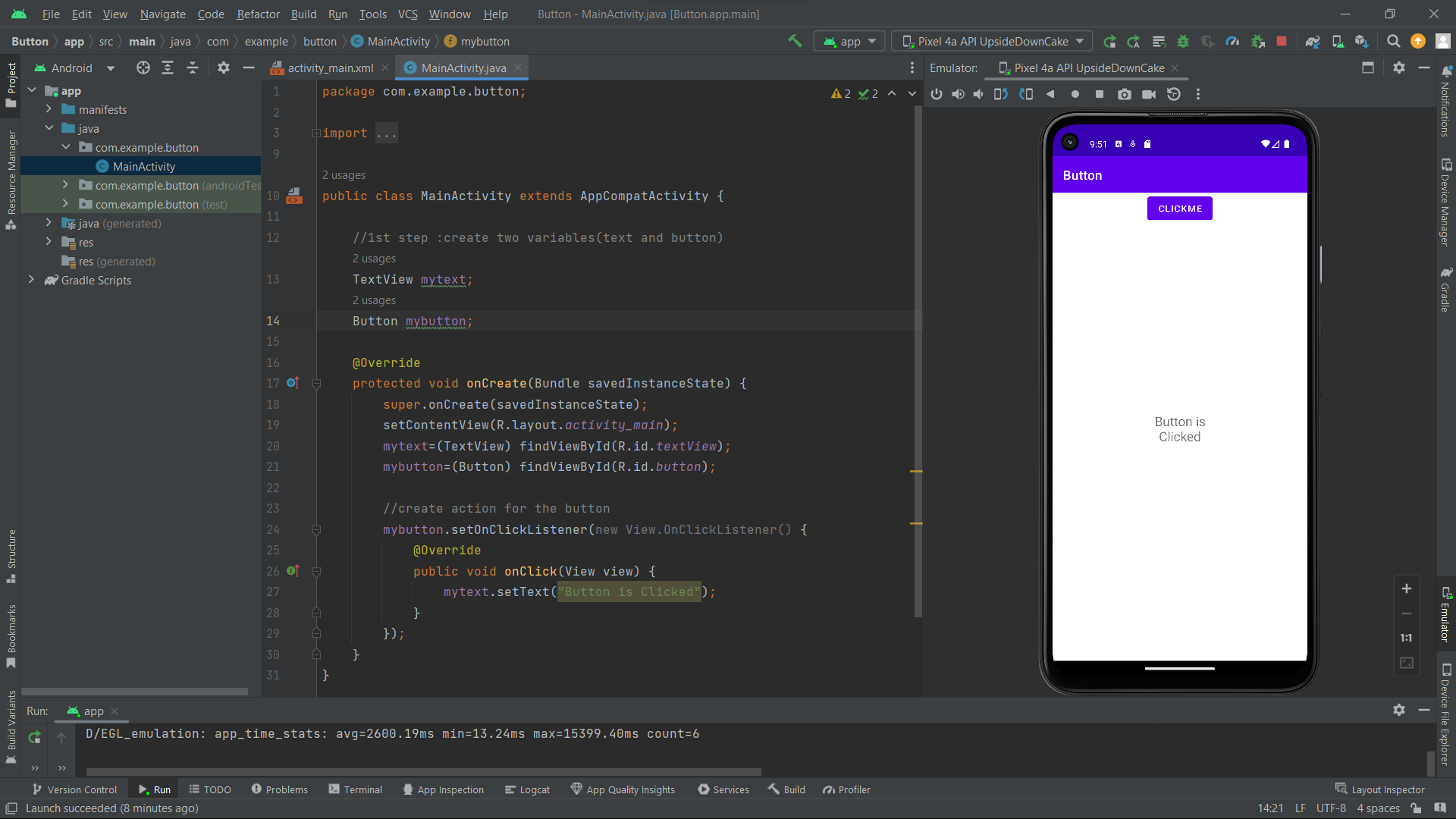
Use The button to show the text in the output screen

1. **Objective:**
2. To know About the App widgets and how to use them.
3. Learn to scroll and drag in Andros studio.
4. how to code for app widgets.
5. Use of the button
6. Writing the java code to show the text
7. **Script and Output:**
8. **Xml code**
9. <?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">  
     
    <TextView  
    android:id="@+id/textView"  
    android:layout\_width="117dp"  
    android:layout\_height="45dp"  
    android:text="TextBoxID"  
    android:textAlignment="center"  
    android:textSize="20dp"  
    app:layout\_constraintBottom\_toBottomOf="parent"  
    app:layout\_constraintEnd\_toEndOf="parent"  
    app:layout\_constraintHorizontal\_bias="0.5"  
    app:layout\_constraintStart\_toStartOf="parent"  
    app:layout\_constraintTop\_toTopOf="parent"  
    app:layout\_constraintVertical\_bias="0.5" />  
     
    <Button  
    android:id="@+id/button"  
    android:layout\_width="wrap\_content"  
    android:layout\_height="wrap\_content"  
    android:text="ClickMe"  
    app:layout\_constraintEnd\_toEndOf="parent"  
    app:layout\_constraintHorizontal\_bias="0.5"  
    app:layout\_constraintStart\_toStartOf="parent"  
    tools:layout\_editor\_absoluteY="182dp" />  
   </androidx.constraintlayout.widget.ConstraintLayout>

**2>java Code**

package com.example.button;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
  
 //1st step :create two variables(text and button)  
 TextView mytext;  
 Button mybutton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mytext=(TextView) findViewById(R.id.*textView*);  
 mybutton=(Button) findViewById(R.id.*button*);  
  
 //create action for the button  
 mybutton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 mytext.setText("Button is Clicked");  
 }  
 });  
 }  
}

**Output :-**

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