**PRACTICAL 6**

**Aim: Create an android application which has one EditText and one Button control. Application that accepts student name in EditText and on click of “Show” button display that student name in Toast message.**

**Code:**

**JAVA FILE: (MainActivity.java)**

package com.example.practical6;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

private EditText editTextName;

private Button buttonShow;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

editTextName = findViewById(R.id.*editTextName*);

buttonShow = findViewById(R.id.*buttonShow*);

buttonShow.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String studentName = editTextName.getText().toString();

if (!studentName.isEmpty()) {

String toastMessage = "Student Name: " + studentName;

Toast.*makeText*(getApplicationContext(), toastMessage,

Toast.*LENGTH\_SHORT*).show();

} else {

Toast.*makeText*(getApplicationContext(), "Please enter a student name", Toast.*LENGTH\_SHORT*).show();

}

}

});

}

}

**XML FILE: (activity\_main.xml)**

*<?*xml version="1.0" encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://schemas.android.c om/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="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:text=" Name: Angat Shah \n Enrollment No: 202203103510097 \n Branch: B.Tech CSE"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

tools:ignore="MissingConstraints" />

<EditText

android:id="@+id/editTextName"

android:layout\_width="300dp"

android:layout\_height="60dp"

android:hint="Enter Student Name: "

android:inputType="text"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.408" />

<Button

android:id="@+id/buttonShow"

android:layout\_width="130dp"

android:layout\_height="50dp"

android:text="Show"

android:textSize="20dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.498"

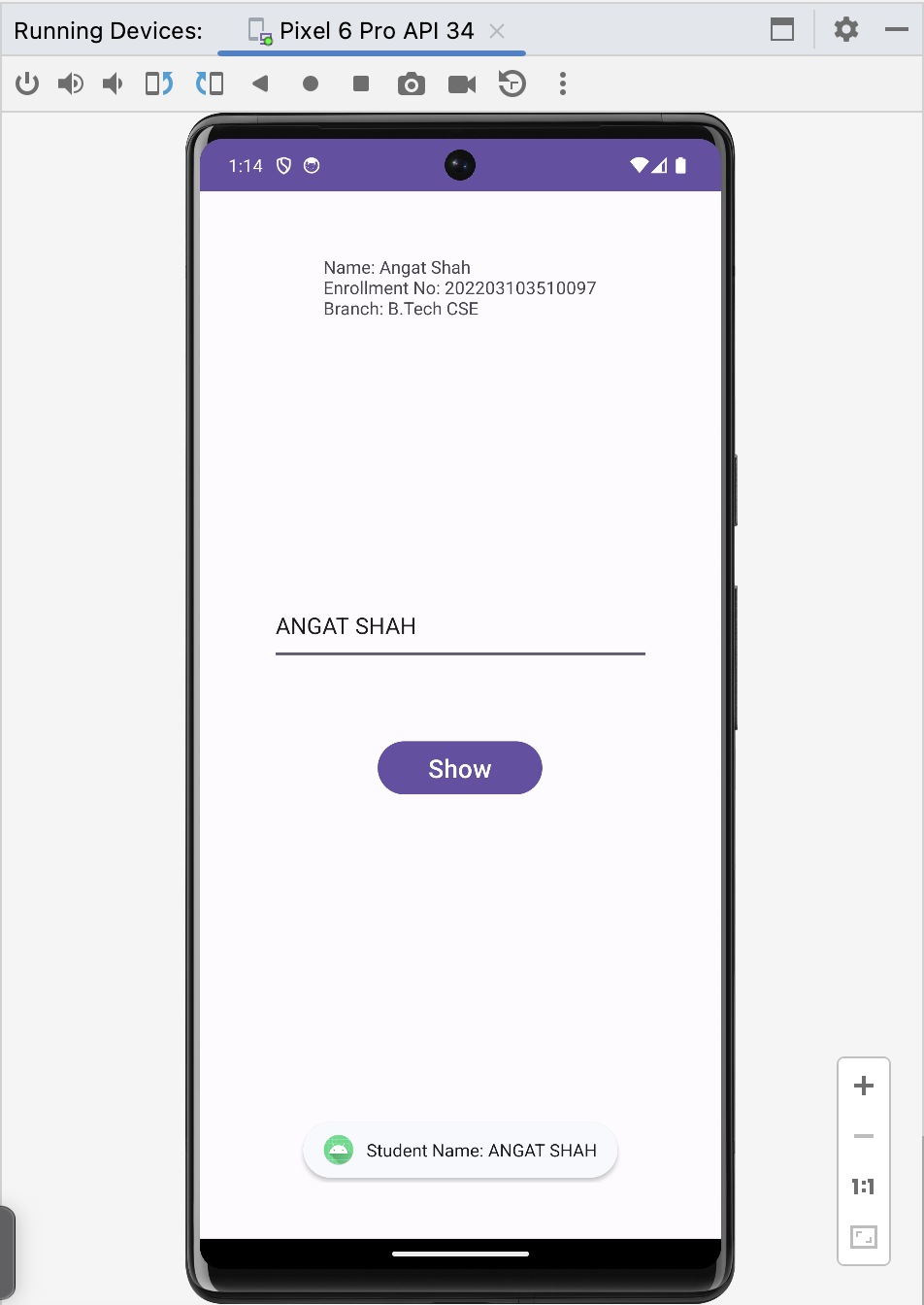
app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="@+id/textView"

app:layout\_constraintVertical\_bias="0.523" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Output:**

****