## 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();
         }
    });
  }
```

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## XML FILE: (activity main.xml)

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayoutxmlns:android="http://schemas.android.</p>
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>
```

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## **Output:**

