

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.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="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>
```

Enrollment No: 202203103510097

Output:

