**PRACTICAL 2**

**Aim: Make Your First Interactive UI Develop an android app which displays Toast Message “Hello, welcome to Android Lab” when user Click on Button, Experiment with using different layouts.**

**Code:**

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

package com.example.practical2;

import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.example.practical2.R;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

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

Button button = findViewById(R.id.*Button*);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.*makeText*(MainActivity.this, "Hello, Welcome To Android Lab!", Toast.*LENGTH\_LONG*).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"

android:orientation="vertical"

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" />

<Button

android:id="@+id/Button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Click Here"

android:textSize="30dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**Output:**

