

“**Experiment 1.4”**

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**Subject Name: MAD Lab Subject Code: 20CSP-356**

**Aim:**

To show toast message on button click.

**Objective:**

Understanding of the specific requirements and challenges when developing for a mobile context.

**System Requirements:**

1. Java Development Kit (JDK)

2. Java Runtime Environment (JRE)

3. Android Studio

**Script:**

**MainActivity.java :**

package com.example.exp4;

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 {

Button a;

EditText b;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

buttonClick();

}

public void buttonClick(){

a= findViewById(R.id.button);

b= findViewById(R.id.textView2);

a.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Toast.makeText(MainActivity.this, b.getText(), Toast.LENGTH\_SHORT).show();

}

});

}

}

**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="237dp"

android:layout\_height="42dp"

android:layout\_marginTop="104dp"

android:text="Write Your Name"

android:textSize="30sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

<Button

android:id="@+id/button"

android:layout\_width="111dp"

android:layout\_height="52dp"

android:text="Click"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.49"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/textView2"

app:layout\_constraintVertical\_bias="0.119" />

<EditText

android:id="@+id/textView2"

android:layout\_width="379dp"

android:layout\_height="63dp"

android:layout\_marginTop="84dp"

android:hint="Name"

android:textSize="30sp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.498"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

**Output:**

