

Practical No – 18

Develop an android application using Kotlin having a Button “Click” and upon clicking on that Button a Toast message “Button Clicked” should be displayed on screen through Toast Message

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/buttonClick"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Click" />
</LinearLayout>
```

MainActivity.kt

```
package com.example.yourappname // Replace with your actual package name

import android.os.Bundle
import android.widget.Button
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
```

```
// Find the button by its ID
val buttonClick = findViewById<Button>(R.id.buttonClick)

// Set click listener on the button
buttonClick.setOnClickListener {
    // Display a toast message when the button is clicked
    showToastMessage("Button Clicked")
}

// Function to show a toast message
private fun showToastMessage(message: String) {
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show()
}
```

