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Course:-BCA 5A

Roll no:- 29

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Create a simple application in android studio to demonstrate Event Handlers and Event Listeners in android.

Xml Code:-

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:gravity="center">

    <Button
        android:id="@+id/but1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="5dp"
        android:layout_marginTop="5dp"
        android:layout_marginEnd="5dp"
        android:layout_marginBottom="5dp"
        android:text="Press To Short and Long Press"
        android:textSize="30dp" />

</RelativeLayout>
```

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Java Code:-

```
package com.example.event;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    Button b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=findViewById(R.id.but1);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Toast.makeText(getApplicationContext(),"Button clicked for
short time",Toast.LENGTH_SHORT).show();
            }
        });
        b1.setOnLongClickListener(new View.OnLongClickListener() {
            @Override
            public boolean onLongClick(View view) {
                Toast.makeText(getApplicationContext(),"Button clicked for
long time",Toast.LENGTH_SHORT).show();
                return false;
            }
        });
    }

    }

    }

    b1.setOnLongClickListener(new View.OnLongClickListener() {
        @Override
        public boolean onLongClick(View view) {
            Toast.makeText(getApplicationContext(),"Button clicked for
long time",Toast.LENGTH_SHORT).show();
            return false;
        }
    });
}
```

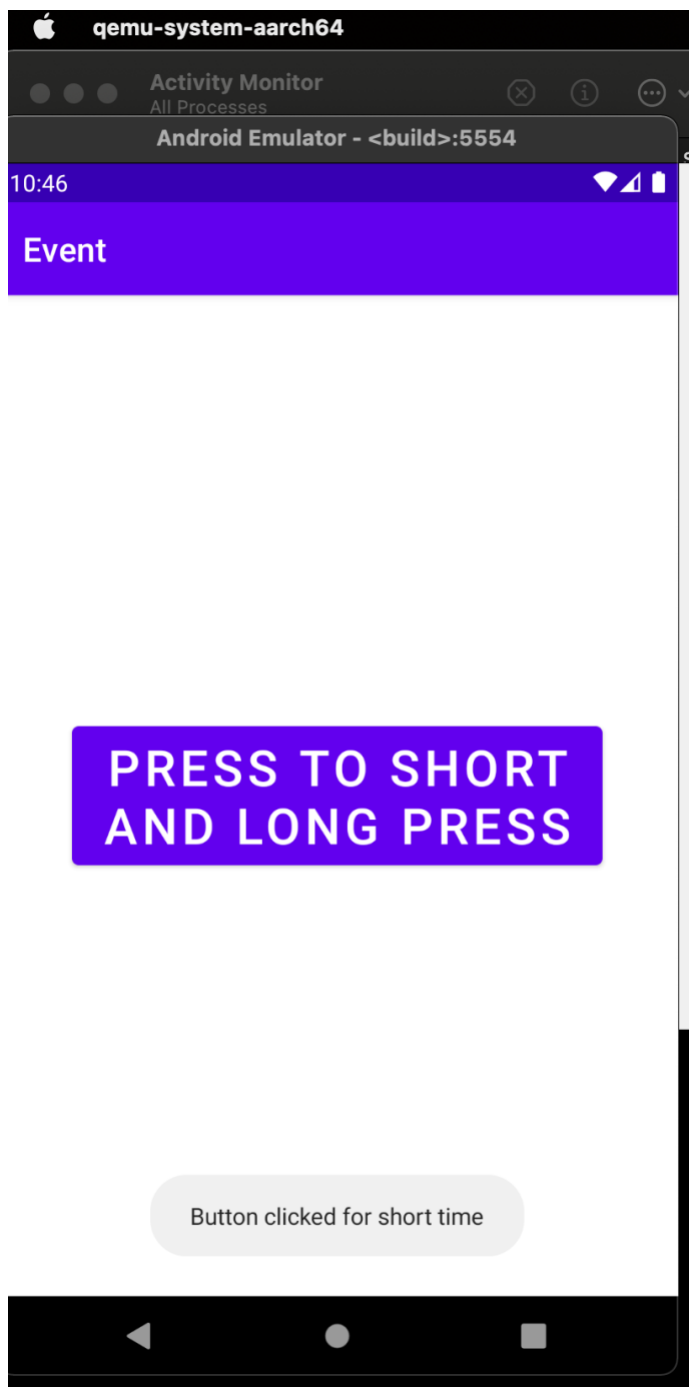
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O/P:-



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