**AIM: Demonstrate use of Event handlers for creating a responsive android application.**

**XML:**

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout 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">

<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Enter some text"

android:inputType="text"

android:id="@+id/edittext"

/>

<Button

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="show"

android:id="@+id/btn"

/>

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="20sp"

android:id="@+id/txtview"

android:textStyle="bold"

/>

</LinearLayout>

**JAVA:**

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;

import android.view.View;

import android.widget.TextView;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity { EditText userinput;

Button btn;

TextView showText;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState);

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

userinput=findViewById(R.id.*edittext*);

btn=findViewById(R.id.*btn*);

showText=findViewById(R.id.*txtview*);

btn.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

String getText=userinput.getText().toString();

showText.setText(getText);

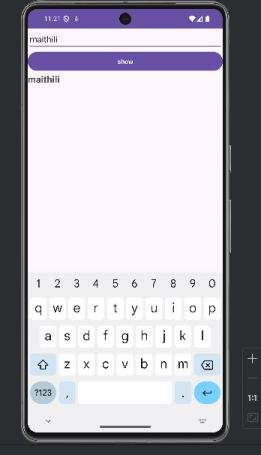
}

});

}

}

o/p:



XML:

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app="http://schemas.android.com/apk/res-auto"

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<EditText

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:hint="Enter some text"

android:inputType="text"

android:id="@+id/edittext"

/>

<!--<Button

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="show"

android:id="@+id/btn"

/>-->

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:textSize="20sp"

android:id="@+id/txtview"

android:textStyle="bold"

/>

</LinearLayout>

JAVA:

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.text.Editable;

import android.text.TextWatcher;

import android.view.View;

import android.widget.TextView;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

EditText userinput;

//Button btn;

TextView showText;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

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

userinput=findViewById(R.id.*edittext*);

//btn=findViewById(R.id.btn);

showText=findViewById(R.id.*txtview*);

/\*btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String getText=userinput.getText().toString();

showText.setText(getText);

}

});\*/

userinput.addTextChangedListener(new TextWatcher() {

@Override

public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {

}

@Override

public void onTextChanged(CharSequence s, int i, int i1, int i2) {

String getText=s.toString();

showText.setText(getText);

}

@Override

public void afterTextChanged(Editable s) {

}

});

}

}

o/p:

