# Develop an application that initiates an alert dialog event with specific message.

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

<RelativeLayout 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" tools:context=".MainActivity">

<TextView android:id="@+id/tvName"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Name: John" android:textSize="18sp" android:layout\_marginTop="16dp" android:layout\_centerHorizontal="true"/>

<Button android:id="@+id/btnShowAlert" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Show Alert" android:layout\_below="@id/tvName"

android:layout\_centerHorizontal="true" android:layout\_marginTop="32dp"/>

</RelativeLayout>

# Mainactivity

package com.example.myapplication; import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity; import android.content.DialogInterface;

import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.TextView;

public class MainActivity extends AppCompatActivity { private TextView tvName;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

tvName = findViewById(R.id.tvName);

Button btnShowAlert = findViewById(R.id.btnShowAlert); btnShowAlert.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) { showAlert();

}

});

}

private void showAlert() {

String name = tvName.getText().toString();

AlertDialog.Builder builder = new AlertDialog.Builder(this); builder.setTitle("Good Morning!")

.setMessage("Hello " + name + "! Have a nice day.")

.setPositiveButton("OK", new DialogInterface.OnClickListener() { @Override

public void onClick(DialogInterface dialog, int which) { dialog.dismiss();

}

});

AlertDialog alertDialog = builder.create(); alertDialog.show();

}

}