MAIN ACTIVITY.java

package com.example.oddoreven;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

EditText n1;

Button b1;

TextView result;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

n1 = findViewById(R.id.n1);

b1 = findViewById(R.id.b1);

result = findViewById(R.id.result);a

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

// Get the number entered by the user as a string

String input = n1.getText().toString();

try {

// Convert the string to an integer

int number = Integer.parseInt(input);

// Check if the number is even or odd

if (number % 2 == 0) {

result.setText(number + " is even.");

} else {

result.setText(number + " is odd.");

}

} catch (NumberFormatException e) {

result.setText("Please enter a valid number.");

}

}

});

}

}

ACTIVITY MAIN.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"

android:padding="16dp"

tools:context=".MainActivity">

<TableLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<TableRow>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Enter a number:"

android:paddingEnd="8dp"/>

<EditText

android:id="@+id/n1"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_weight="1"/>

</TableRow>

<TableRow>

<Button

android:id="@+id/b1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Check"/>

</TableRow>

<TableRow>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Result:"

android:paddingEnd="8dp"/>

<TextView

android:id="@+id/result"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_weight="1"/>

</TableRow>

</TableLayout>

</LinearLayout>

OUTPUTS



