**Source code for Odd and even**

**Mainactivity.java**

package com.example.oddeven;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

private EditText mEditText1;

private TextView mTextViewResult;

private Button mbuttoncheck;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

mEditText1 = findViewById(R.id.edittext\_number\_1);

mTextViewResult = findViewById(R.id.textview\_result);

mbuttoncheck = findViewById(R.id.button\_check);

mbuttoncheck.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int val1 = Integer.parseInt(mEditText1.getText().toString());

if (val1 % 2 == 0)

mTextViewResult.setText("Number is Even");

else

mTextViewResult.setText("Number is odd");

}

});

}

}

**activity\_main.xml**

<?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"

android:padding="16dp"

tools:context="com.codinginflow.additionexample.MainActivity">

<EditText

android:id="@+id/edittext\_number\_1"

android:layout\_width="361dp"

android:layout\_height="61dp"

android:inputType="number" />

<TextView

android:id="@+id/textview\_result"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/edittext\_number\_2"

android:layout\_marginTop="16dp"

android:text=" "

android:textColor="@android:color/black"

android:textSize="50sp" />

<Button

android:id="@+id/button\_check"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:text="Check" />

</RelativeLayout>