**Source code for Prime Number**

**Mainactivity.java**

package com.example.primenumber;  
  
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 mbuttonprime;  
  
 @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*);  
 mbuttonprime = findViewById(R.id.*button\_prime*);  
 mbuttonprime.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 int val1 = Integer.*parseInt*(mEditText1.getText().toString());  
 int flag = 0;  
 int i;  
 for (i = 2; i < val1; i++) {  
 if (val1 % i == 0) {  
 flag = 1;  
 break;  
 }  
 }  
  
 if (flag == 0) {  
 mTextViewResult.setText("Number is Prime");  
 } else {  
 mTextViewResult.setText("Number is Not Prime");  
 }  
  
 }  
 });  
 }  
}

**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.primenumber.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\_centerHorizontal="true"  
 android:layout\_marginTop="16dp"  
 android:text=" "  
 android:textColor="@android:color/black"  
 android:textSize="50sp" />  
  
 <Button  
 android:id="@+id/button\_prime"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="Check" />  
  
  
  
  
</RelativeLayout>