activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/digite\_num"  
 android:layout\_marginLeft="7dp"/>  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:inputType="number"  
 android:id="@+id/numNumero"/>  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="confirmar"  
 android:layout\_marginTop="48dp"  
 android:text="@string/Confirmar"/>  
  
</LinearLayout>

strings.xml

<resources>  
 <string name="app\_name">Número Perfeito</string>  
 <string name="digite\_num">Digite o número na qual deseje saber se é perfeito ou não.</string>  
 <string name="Confirmar"> Confirmar </string>  
  
</resources>

MainActivity.java

package com.example.area;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 private View view;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
  
 public void confirmar(View view) {  
  
 EditText etNum = findViewById(R.id.*numNumero*);  
 final int TAM = Integer.*parseInt*(etNum.getText().toString());  
 int I[],i,perfeito=0;  
  
 I = new int[TAM];  
 for (i = 1; i < TAM; i++) {  
 if (Integer.*parseInt*(etNum.getText().toString())%i==0){  
 perfeito+=i;  
 }  
 }  
  
 if (Integer.*parseInt*(etNum.getText().toString())==perfeito){  
 Toast.*makeText*(this, "O número é perfeito", Toast.*LENGTH\_SHORT*).show();  
  
 }else{  
 Toast.*makeText*(this, "O número não é perfeito", Toast.*LENGTH\_SHORT*).show();  
  
 }  
 }  
}