BMI App :MainActivity.java

```java
package com.pranomvignesh.bmiapp;

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 {
    TextView Result;
    EditText Height;
    EditText Weight;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Result=(TextView) findViewById(R.id.Result);
        Height = (EditText) findViewById(R.id.Height);
        Weight = (EditText) findViewById(R.id.Weight);
    }
        public void CalculateBMI(View v){
        String heightStr=Height.getText().toString();
            String weightStr=Weight.getText().toString();

if(heightStr!=null&&!"".equals(heightStr)&&weightStr!=null&&!"".equals(weightStr))
            {
                float heightvalue=Float.parseFloat(heightStr)/100;
                float weightvalue=Float.parseFloat(weightStr);
                float BMI= (heightvalue*heightvalue);
                BMI=weightvalue/BMI;
                if(BMI>0&&BMI<19)
                    Result.setText(Float.toString(BMI)+"\n Lean");
                else if (BMI>19&&BMI<25)
                    Result.setText(Float.toString(BMI)+"\n Fit");
                else if (BMI>25)
                    Result.setText(Float.toString(BMI)+"\n Obese");
                else
                    Result.setText("\nInvalid Value");
            }
            }


    }
```

activity_main.xml

```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"
    tools:context="com.pranomvignesh.bmiapp.MainActivity">


    <EditText
        android:id="@+id/Height"
        android:layout_width="250dp"
        android:layout_height="75dp"
        android:ems="10"
        android:hint="Height in cm"
        android:inputType="numberDecimal"
        android:textAlignment="center"
        android:textColor="@color/colorPrimary"
        android:textSize="30sp"
        tools:ignore="HardcodedText"
        android:layout_centerVertical="true"
        android:layout_alignLeft="@+id/Result"
        android:layout_alignStart="@+id/Result" />

    <TextView
        android:id="@+id/Result"
        android:layout_width="250dp"
        android:layout_height="200dp"
        android:layout_marginTop="12dp"
        android:hint="BMI value"
        android:textAlignment="center"
        android:textColor="@color/colorAccent"
        android:textSize="45sp"
        tools:ignore="HardcodedText"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true" />

    <EditText
        android:id="@+id/Weight"
        android:layout_width="250dp"
        android:layout_height="75dp"
        android:ems="10"
        android:hint="Weight in kg"
        android:inputType="numberDecimal"
        android:textAlignment="center"
        android:textColor="@color/colorPrimary"
        android:textSize="30sp"
        tools:ignore="HardcodedText"
        android:layout_below="@+id/Height"
        android:layout_alignLeft="@+id/Height"
        android:layout_alignStart="@+id/Height" />

    <Button
        android:id="@+id/calc"
        android:layout_width="250dp"
        android:layout_height="50dp"
        android:background="@color/colorPrimaryDark"
        android:onClick="CalculateBMI"
        android:text="Calculate BMI"
        android:textColor="@android:color/background_light"
        android:textSize="24sp"
        tools:ignore="HardcodedText"
        android:layout_below="@+id/Weight"
        android:layout_alignLeft="@+id/Weight"
        android:layout_alignStart="@+id/Weight" />
</RelativeLayout>
```