

MainActivity.java

```
package tw.com.flag.ch02_mybmi;

import android.app.Activity;
import android.os.Bundle;
import android.view.Menu;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends Activity {

    //變數宣告區
    double height,weight,mybmi;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

    public void checkbmi(View v){

        //初始化變數
        TextView fieldheight = (EditText)findViewById(R.id.height);
        TextView fieldweight = (EditText)findViewById(R.id.weight);
        TextView result = (TextView)findViewById(R.id.result);
        TextView suggest = (TextView)findViewById(R.id.suggest);

        height = Double.parseDouble(fieldheight.getText().toString())/100;
        weight = Double.parseDouble(fieldweight.getText().toString());
        mybmi = weight/ (height*height);
        result.setText("結果：你的BMI是 " + mybmi);

        //針對結果作一些建議
        if(mybmi>25) {
            suggest.setText("建議：過重囉，該節食了!");
        }else if (mybmi<20) {
            suggest.setText("建議：太恐怖了，這麼瘦，你是鬼喔!");
        }else {
            suggest.setText("建議：太厲害了，很標準喔!");
        }
    }
}
```