

MA1008 Programming Exercise 2 A  
Week 11, Semester 1, 2019/2020

The data in the file weights.txt contains rows of numbers separated by commas. Each row is terminated by a newline character. Occasionally, there are typing errors such that the numbers are not numbers.

The numbers are the weights of male adults. These weights are divided into three categories:

Over weight: 85 kg or more

Good weight: less than 85 kg and more than 55 kg

Under weight: 55 kg or less.

Write a program to do the following:

1. Provide a function that returns the weight category given a string containing a weight.
2. Write a main program that calls the above function, does the count and prints out the four counts.

Here is an example output of the program:

```
Number of overweight people: 25
Number of good-weight people: 35
Number of underweight people: 16
Number of errors: 4
```

(The figures in the example above are fictitious.) Output your results into a file. You can choose the name of the file.

Grading rubrics:

Correct function – 30%

Proper handling of errors – 20%

Correct main program – 30%

Clear and sensible Python code (the code is easy to follow and well organized) – 20%