

Write a Python program that reads an input file `input.txt` line by line, and **outputs the average of all negative numbers for each line separately**. All outputs will have to be printed both to the console and to the output file `output.txt`

INPUT FORMAT

Input file will consist of multiple lines. Each line will contain an arbitrary number of integers separated by a slash `'/'` (not spaces!). Example input:

`input.txt`

```
12/15/45/1/-12/41
15/14/-6/18/7/-10
```

OUTPUT FORMAT

1. Your program should print the following sentence before outputting the results:

Quiz: Average of negative numbers

2. For each line in the input file, output the average of negative numbers on a separate line.
3. The output of your program should be printed both to the screen and to a file named `output.txt`
4. Example output for the given sample input:

```
Average: -12.0
Average: -8.0
```

SUBMISSION FORMAT

1. Teamwork is not allowed and only individual works whose submit score is 1 will be considered for evaluation!
2. Save your Python file as `quiz2.py`
3. Zip your file before submitting (not .rar, only .zip files are supported by the system). File hierarchy:
 - `<student id>.zip`
 - `quiz2.py`