

Write a Python program that reads an input file `input.txt` with multiple lines that contain integer numbers, computes the average of all numbers divisible by 5, computes the average of all numbers divisible by 7, stores the results in a dictionary under the keys “divisible5” and “divisible7” respectively, and prints that dictionary 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 semi colon ';' (not spaces!). Example input:

`input.txt`

`12;45;49;50;1;-10`

`-15;56;-12;4;5;-10`

OUTPUT FORMAT

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

Quiz: Dictionary

2. Read all numbers from the input file, calculate the average of all numbers divisible by 5, calculate the average of all numbers divisible by 7, and store the result in a dictionary data structure.
3. You should print the dictionary both to the screen and to a file named `output.txt`
4. Example output for the given sample input:

```
{'divisible5': 10.833333333333334, 'divisible7': 52.5}
```

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 **quiz3.py**
3. Zip your file before submitting (not .rar, only .zip files are supported by the system). File hierarchy:
 - **<student id>.zip**
 - **quiz3.py**