

Write a Python program that reads an input file `input.txt` line by line, and **outputs the sum of all numbers divisible by 3 for each line separately, and finally outputs the sum of all individual sums**. 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 colon ':' (not spaces!). Example input:

`input.txt`

`12:15:45:41`

`15:14:-6:18:7`

OUTPUT FORMAT

1. Your program should print the following sentence before outputting the results:
Quiz: Sum of numbers divisible by 3 and their total sum
2. For each line in the input file, output the sum of numbers divisible by 3 on a separate line. Finally, output the sum of all individual sums you calculated so far also 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:

Output: 72

Output: 27

Total Sum: 99

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`