Modify Programming Exercise 3 such that instead of getting the input from the keyboard you will be reading it from the input file "input.txt" and the output should be shown on the screen and at the same time it will be written in an output file "output.txt".

Before executing the program the input text file similar to the one below should be created first.
input.txt

```
Juan
45 12
20 9
30 24
100 60
35 20
```

After executing the program the output on the screen and an output file similar to the one below will be created.

output.txt

```
Name of student: Juan
---------------------------------
 QUIZ#|  SCORE  |  TOTAL  |  RATE   |
---------------------------------
|1       |      12 |      45 |  26.67% |
|2       |       9 |      20 |  45.00% |
|3       |      24 |      30 |  80.00% |
|4       |      60 |     100 |  60.00% |
|5       |      20 |      35 |  57.14% |

RATE AVERAGE: 53.76%
```