# Number Writer

Starting from the provided `number_writer.py` template, write a program that asks the user how many numbers it should generate and then writes that many random numbers to a file named `random_numbers.txt`. Each random number should be in the range of 1 through 500 inclusive.

A sample run of the program, and the resulting `random_numbers.txt` file, is shown below. Your program should match the formatting of the sample, but your `random_numbers.txt` file will be different. Note that the small numbers on the left of the sample `random_numbers.txt` file represent line numbers that might be shown when the file is opened in a text editor but are not part of the file itself.

User input in the sample has been highlighted in Pappy's Purple to distinguish it from the program's output, but your user input does not need to be colored. Save your program as `number_writer.py` and submit it along with a screenshot that captures a test run of your program that generates 10,000 random numbers. You do *not* need to submit the generated `random_numbers.txt` file.

**Terminal**

```
$ python number_writer.py
Enter the number of random numbers to be written to the file: 10000
```

**Editor - random_numbers.txt**

```
    1 447
    2 317
    3 282
    4 287
    5 354
    6 290
    7 ...

 9996 ...
 9997 118
 9998 85
 9999 379
10000 310
```