

ICS4U
Unit 2 Test
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1. What are the stages of the software development cycle in order? Explain all in detail. /6 C
2. Write the following in a newfile called “test.txt” EXACTLY how it is shown below /2 A

Hello my name is
very cool how are you
? ?

3. Read and print what you just wrote line by line, using a while loop /2 K

4. Let's say the following file is called question_4.txt, and that it contains the following : /3A

Hello from the other side
I must have called a thousand
Times to tell you
I am sorry

Without using a loop, write code that will read the first 2 lines line by line, then read the rest.
Make sure your code is complete and is not missing any aspect of the reading process.

5. using only the writelines method, write the following onto a new file /2 K

Hard work is necessary
I have my whole life ahead of me
I cannot be lazy, it will result in having
a worse
Quality of life
when im older
I must work hard now
Not later

1. You must use 1 for loop and 1 while loop in this question ,write a function that asks a user to input numbers to a list. meaning everytime the user inputs a number, you append that to a list you are creating, keep asking the user to add numbers and give him the option to stop only when he types.

when the user types done, make a new list the same list but reversed and where every value in the list is the original value to the power of 4 then meaning when user types done and the list is = [1,2,3,4,5]

your new list should == [625,256,81,16,1] /5 T /3A /2K

2. Using a for loop print the first 11 numbers in the 17 times table /1K /2 A
3. Using a for loop create a function that takes in a list and returns back the list flipped /3T /2 A
4. Write a function that takes a number as one parameter and a list as the second. Then using a for loop(s) return the value of the number's factorial and the value equal to the sum of all elements in the list /4T /3A /3K
5. Create an object called Student and give it the following attributes : /1K /1A
 - a. Name, grade, address