

1. Write and read file

b)read_num.py (40 points)

Use num_list file which got created in number 1.a. Write a program that will prompt the user to enter the name of the file (i.e. num_list.txt), and display the first 10 lines of the file's content.

Hints:

Define main ():

Declare variables: **line** and **counter**, and initialize them

Prompt for file name: use input function

Open the file in read mode.

Read the lines in the file with readline function: 'inline.readline()' and initialize counter to 1

Use a while loop to read and display the first 10 lines

Use rstrip method to remove \n characters at the end of the line

Print the line

Update the counter when the line is read

Close file

End main()

Expected output:

Enter the name of the file: filename.txt

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