**Experiment No:3**

Date: 23/08/2020

**Objective:**

To perform Shell scripting in Cygwin.

**Commands:**

* **vi filename-**

It creates a new file otherwise it opens an existing file.

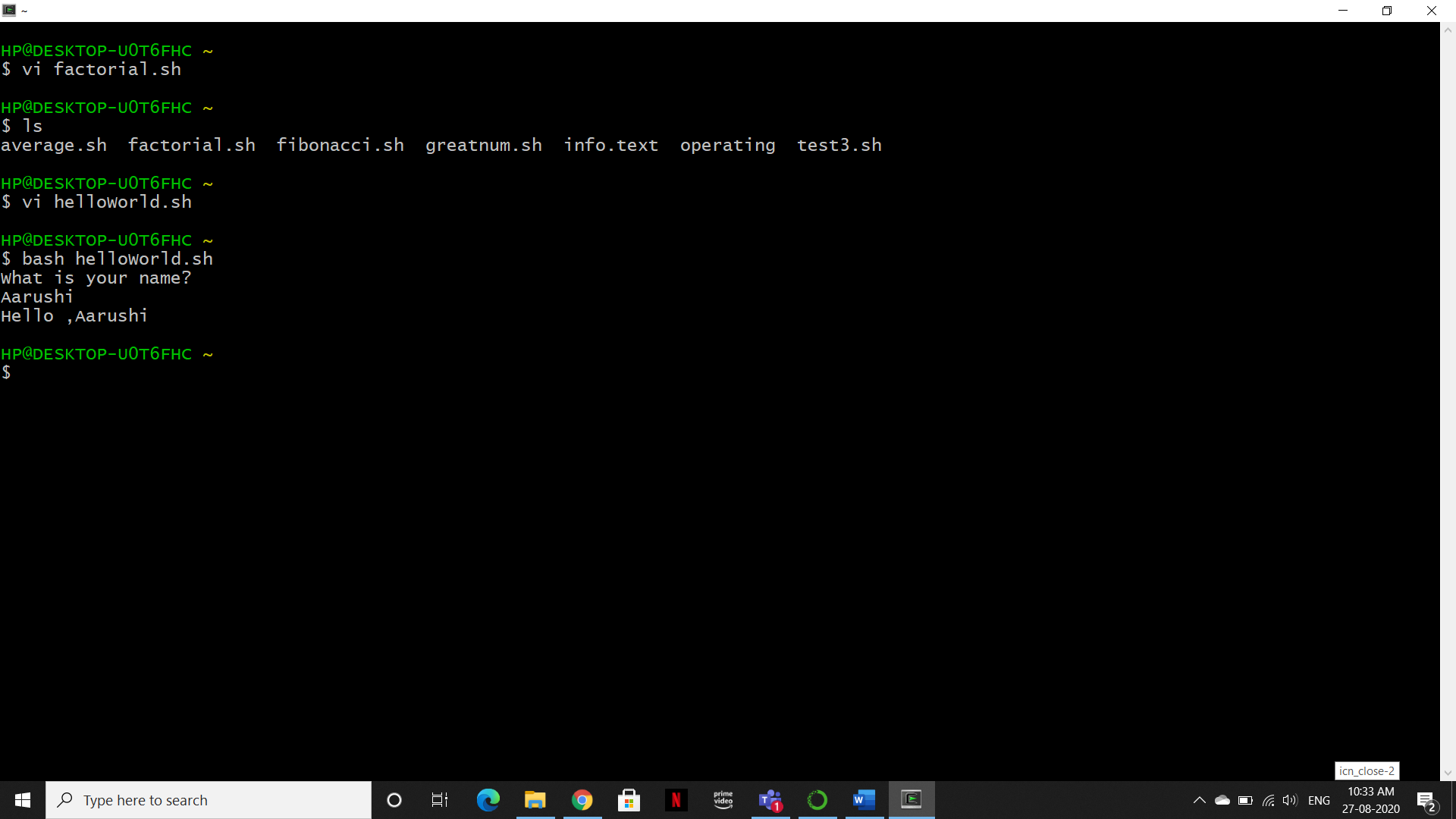
**Note:** For inserting any text you should press **i**

* **bash filename-**

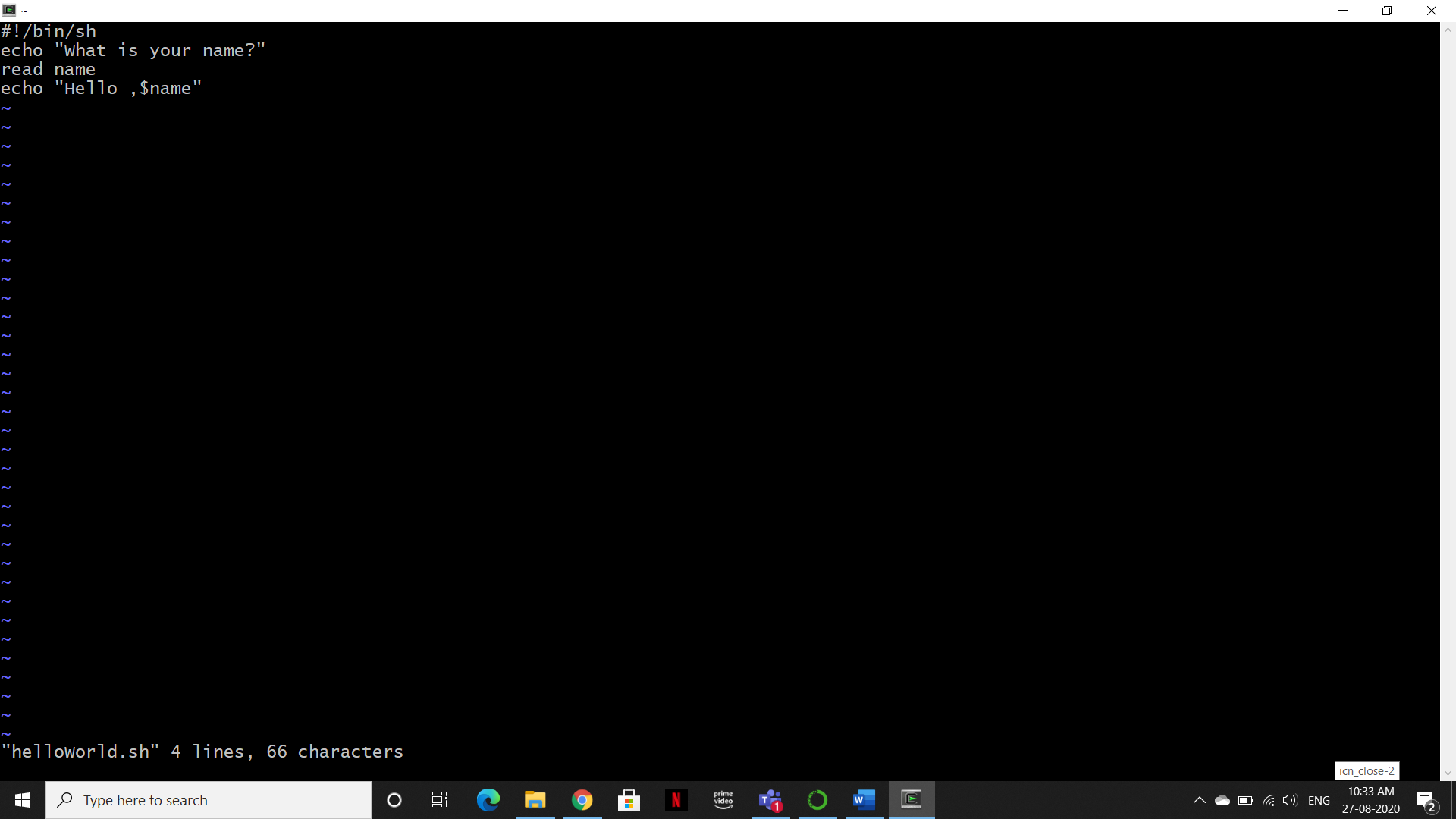
It can run and execute commands from a file.

1. **Write a shell program to write hello world.**

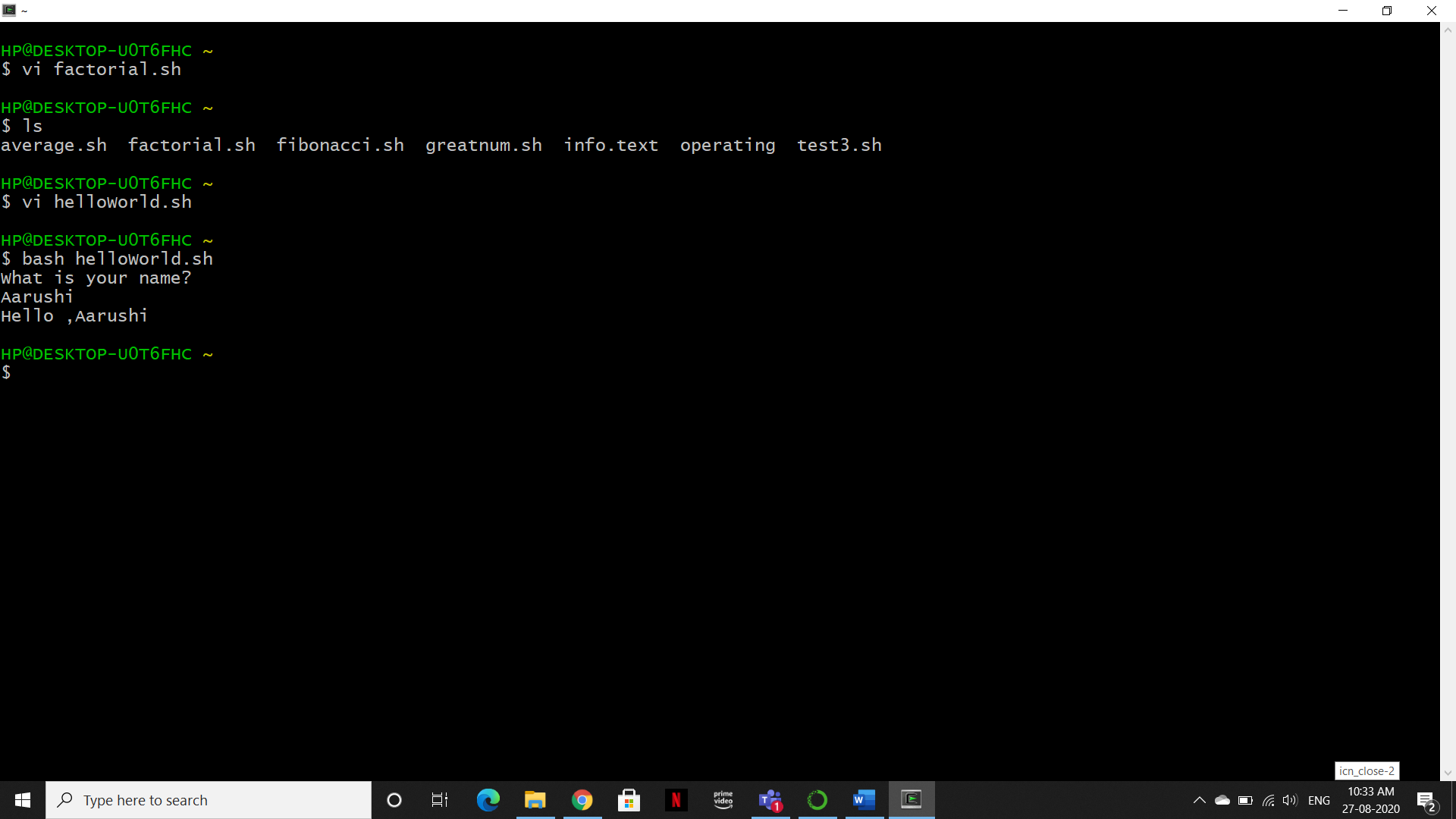
>Create helloWorld.sh file.

****

**>** Enter the following code and after completing the code press-“esc : wq” to end the script

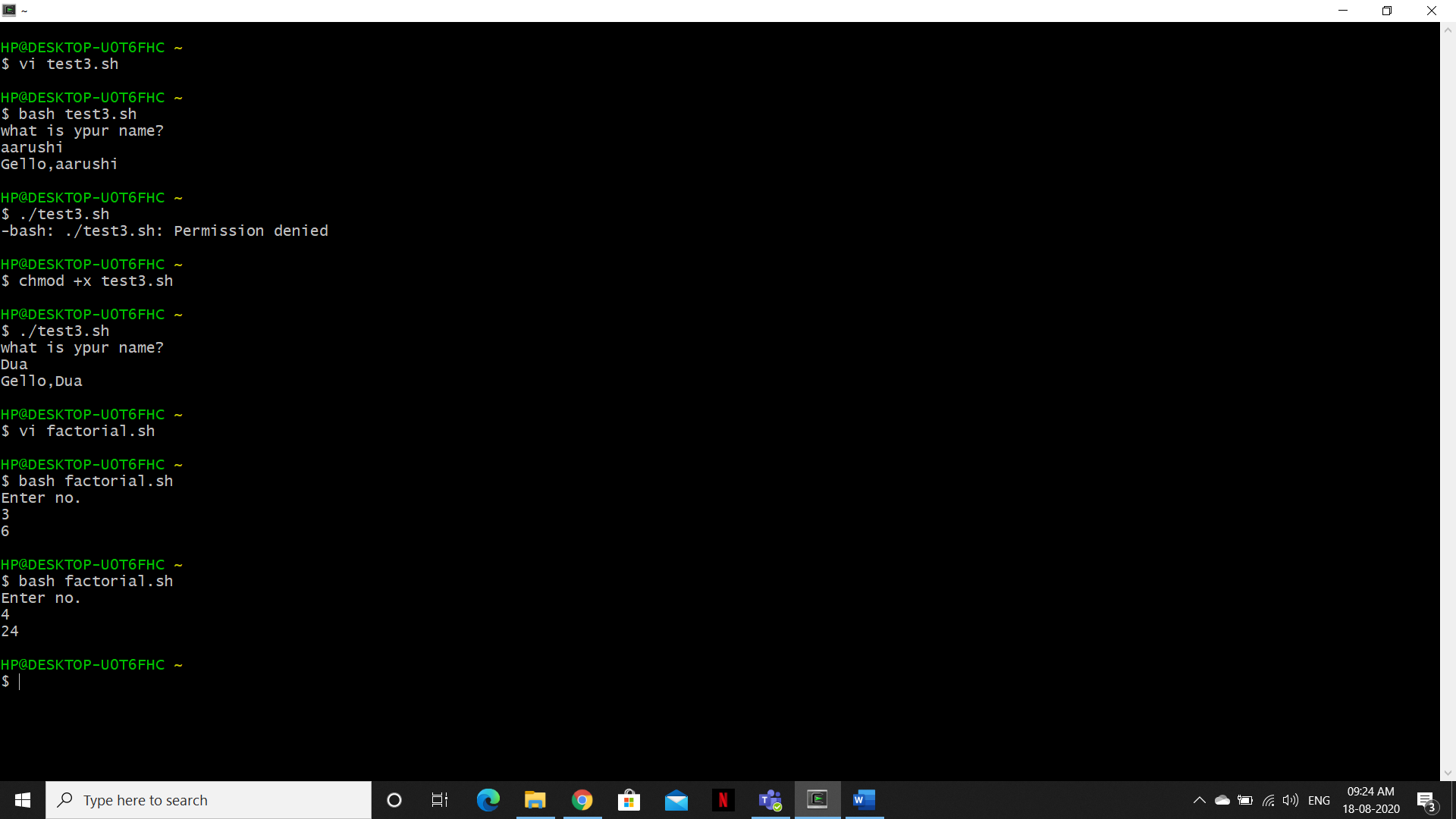
****

>Run the helloWorld.sh file

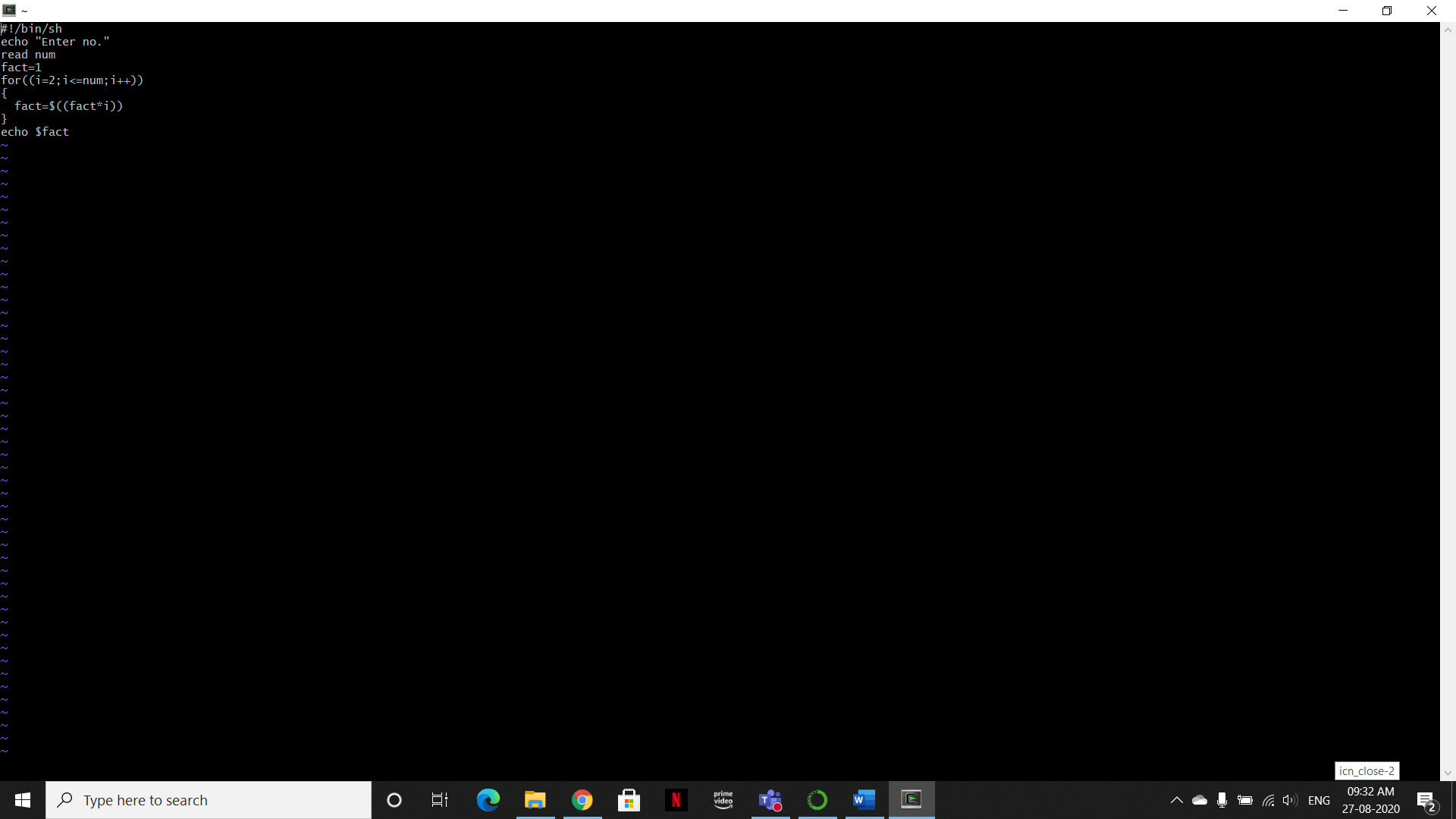
****

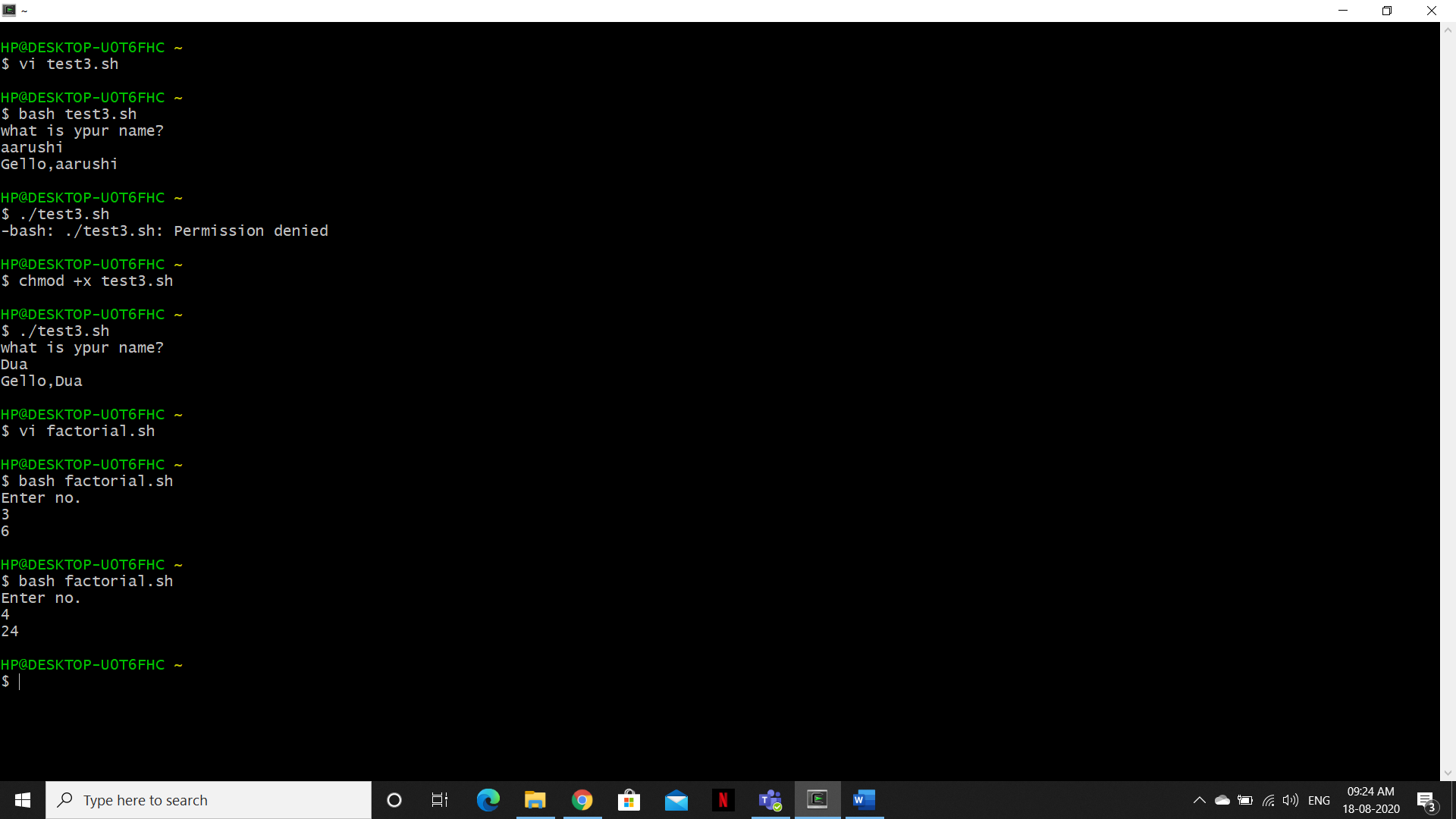
1. **Write a shell program to find Factorial of a number.**

>Create a factorial.sh file



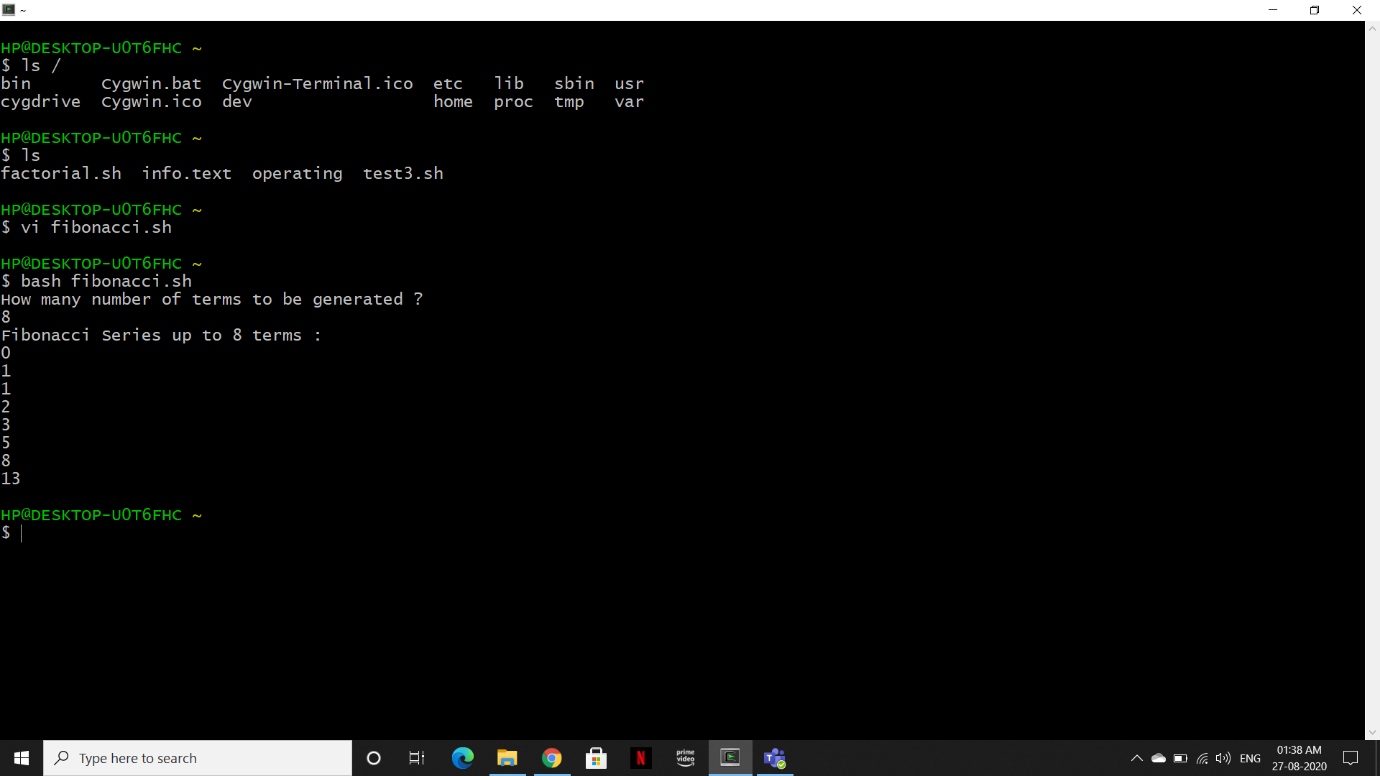
>Enter the following code and after completing the code press-“esc : wq” to end the script



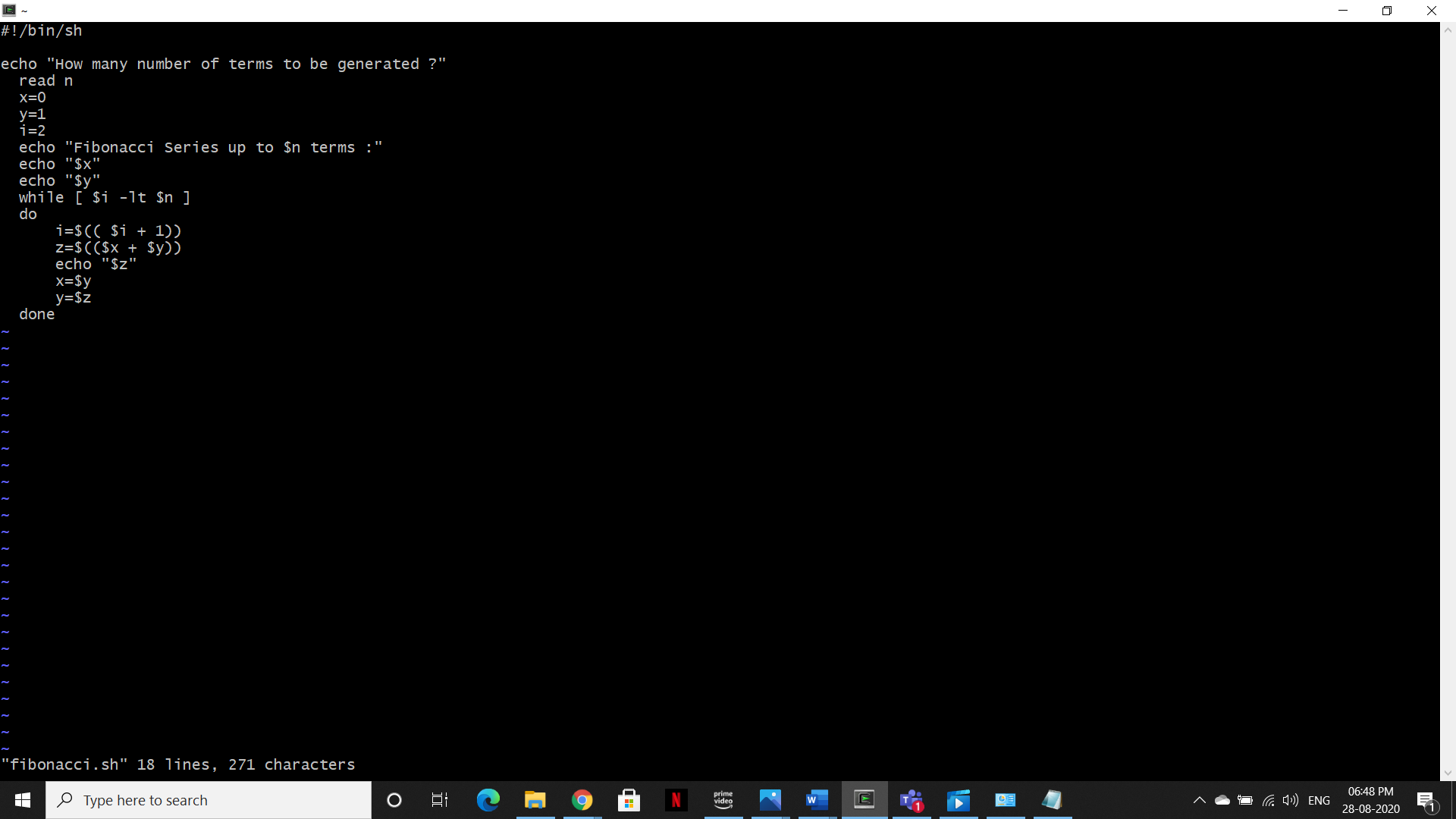
>Run the factorial.sh file 

1. **Write a shell program to find Fibonacci series.**

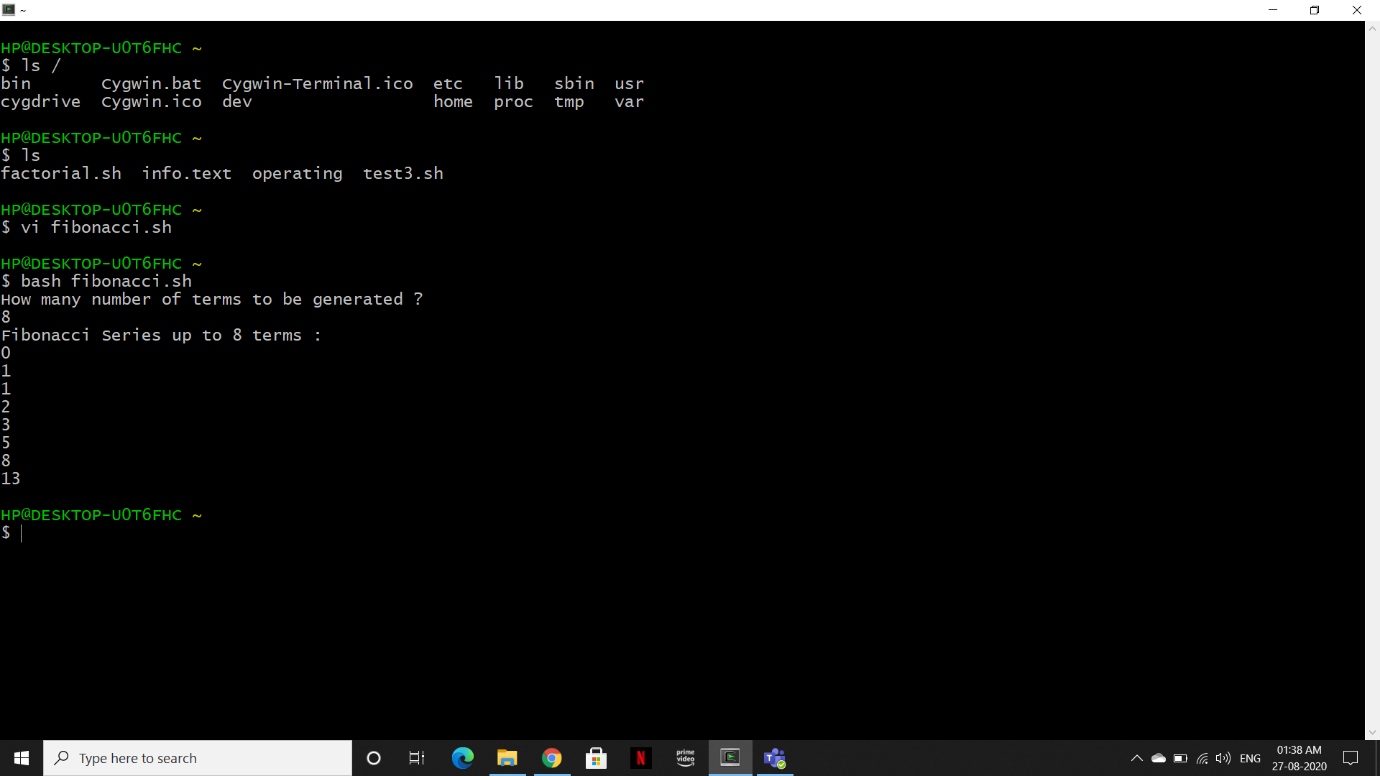
>Create a Fibonacci.sh file



> Enter the following code and after completing the code press-“esc : wq” to end the script.

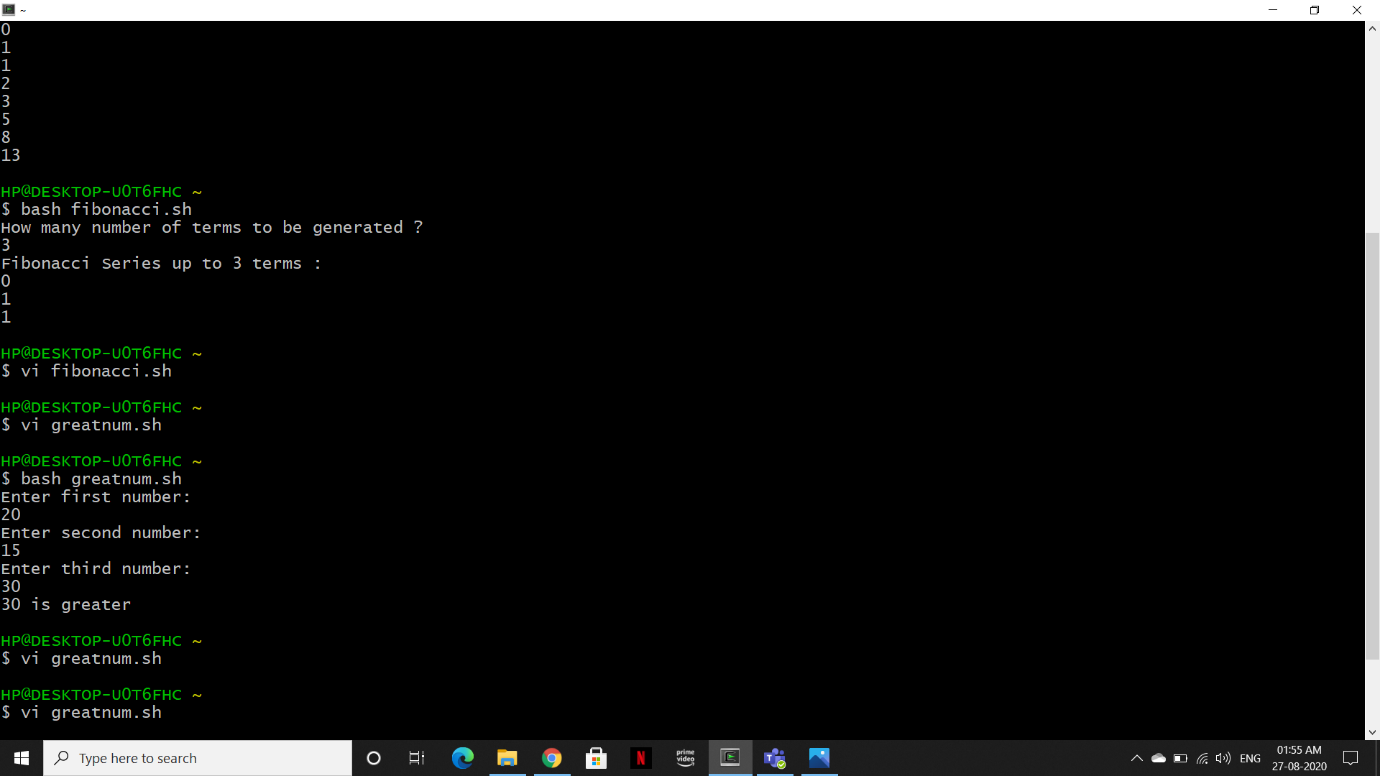


>Run the Fibonacci.sh file

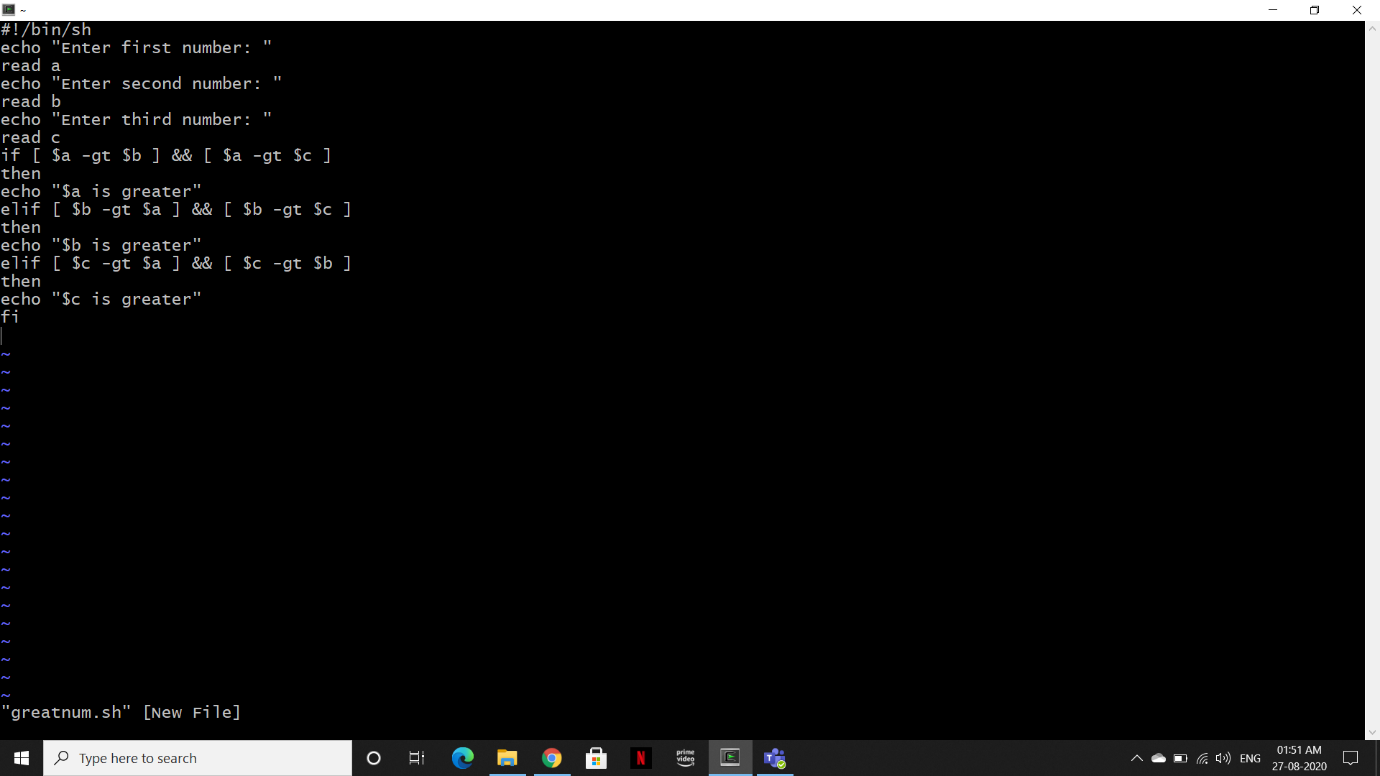


1. **Write a shell program to find largest of three numbers.**

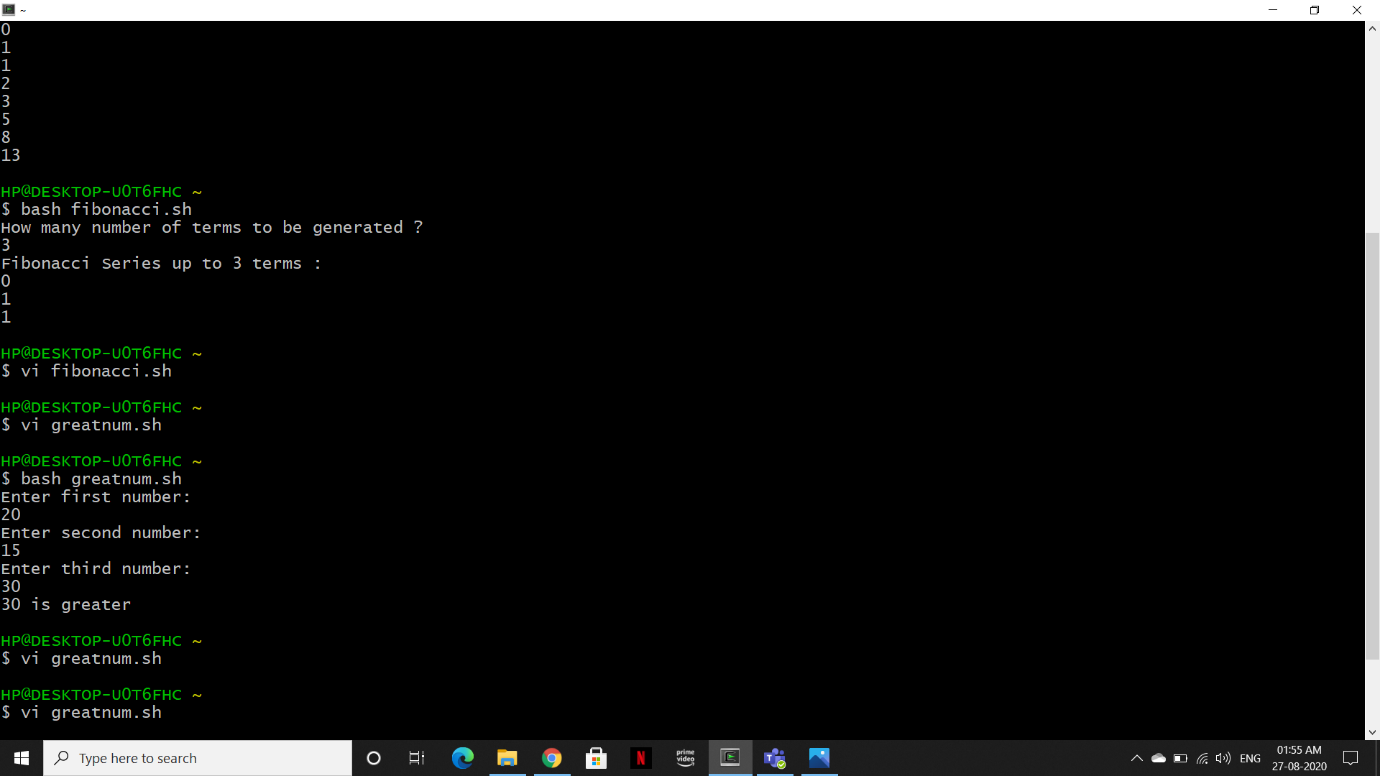
>Create a greatnum.sh file.



> Enter the following code and after completing the code press-“esc : wq” to end the script.

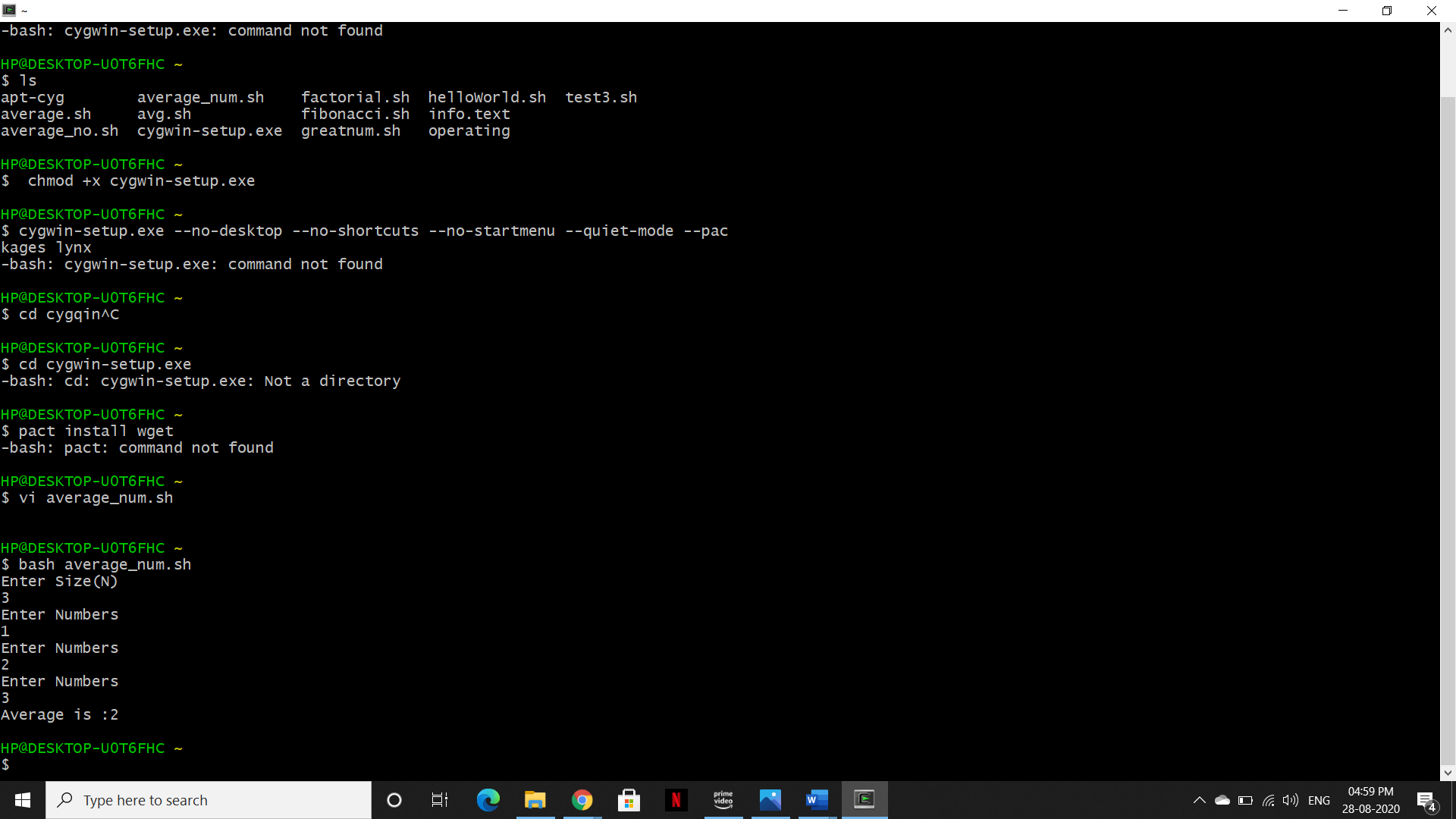


>Run the greatnum.sh file

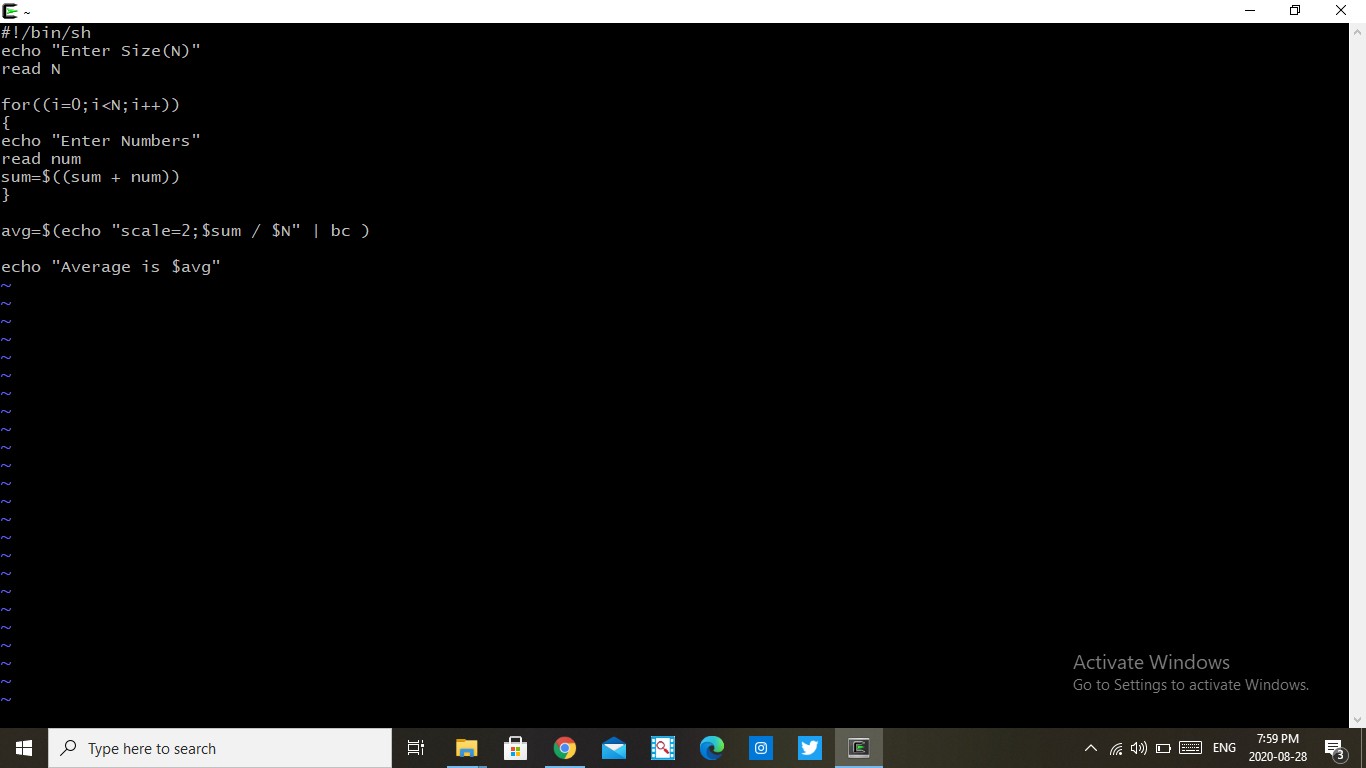


1. **Write a shell program to find average of N numbers**

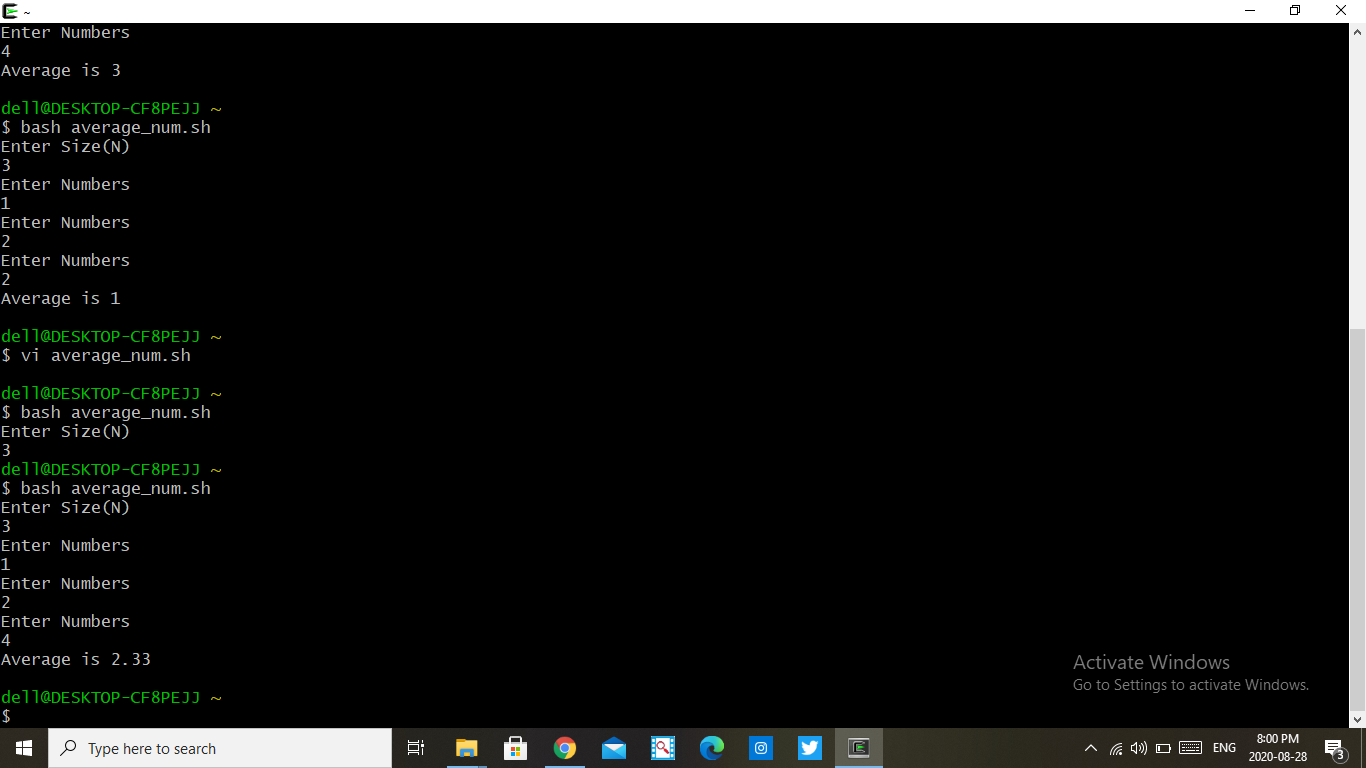
>Create a average\_num.sh file.



> Enter the following code and after completing the code press-“esc : wq” to end the file.

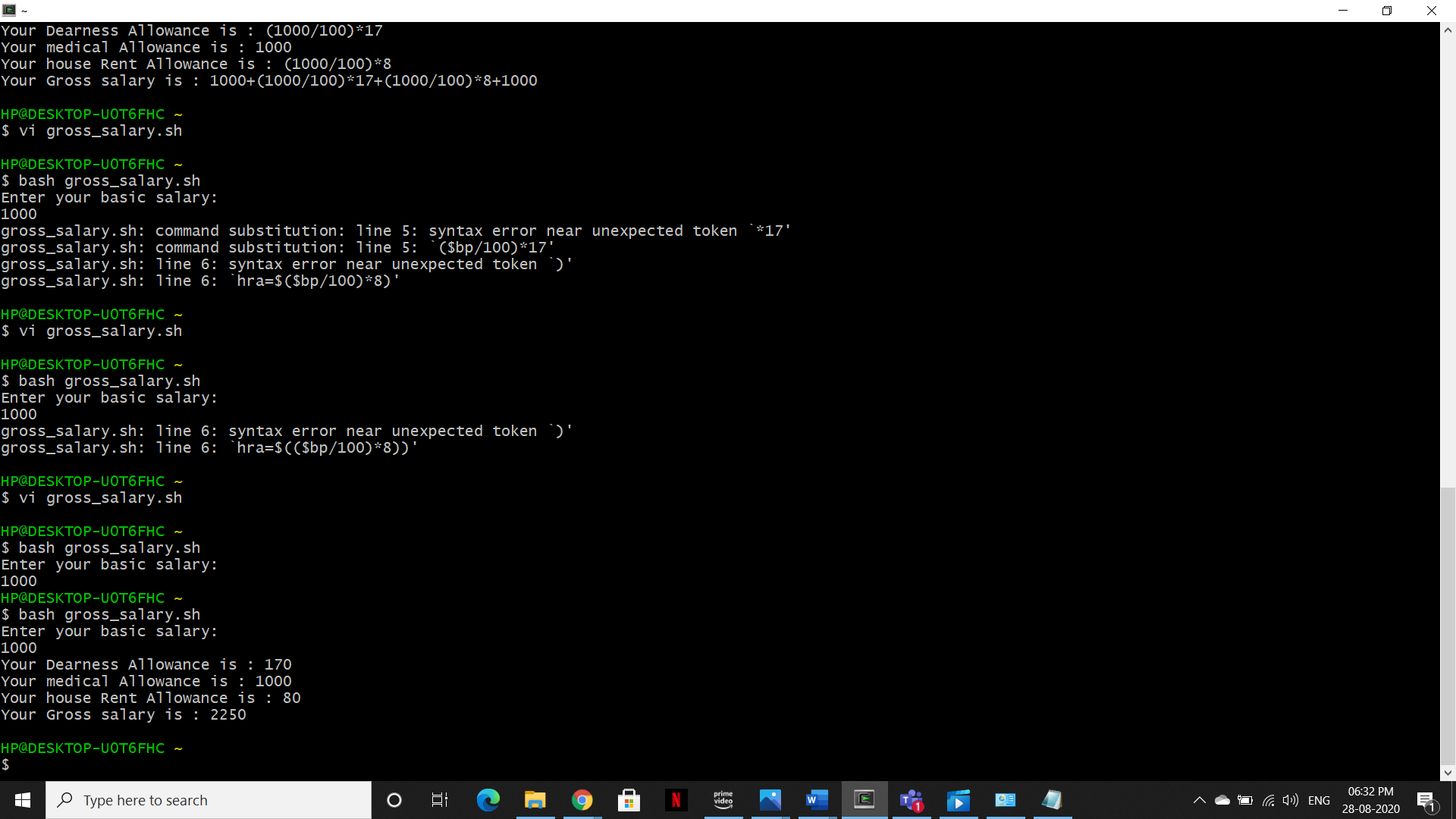


>Run the average\_num.sh file

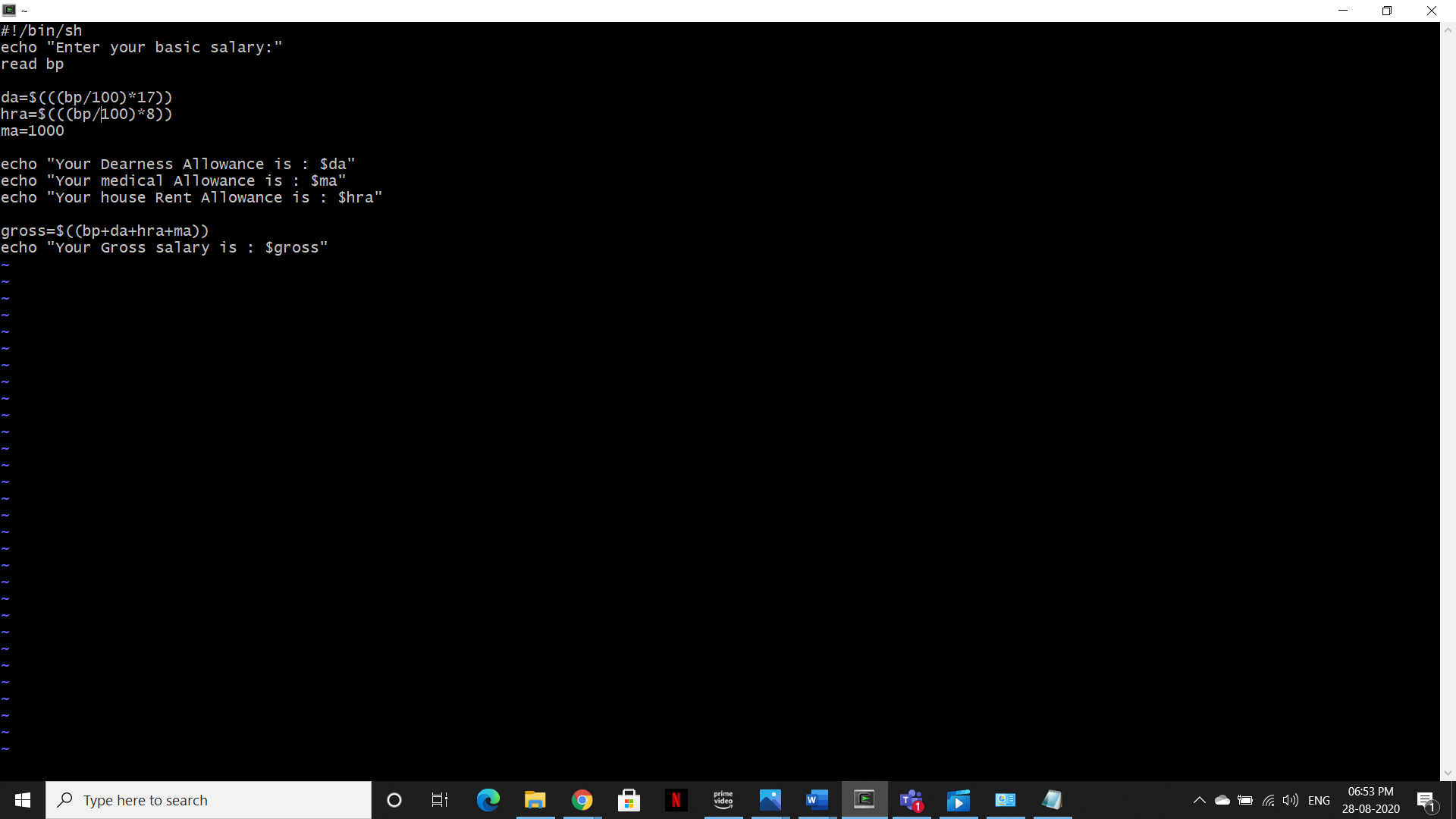


1. **Write a shell program to find gross salary of an employee.**

>Create a gross\_salary.sh file



> Enter the following code and after completing the code press-“esc : wq” to end the file.



>Run the gross\_salary.sh file

