AWS Question

- The information about the configuration of the EC2 instance

  The only change we made when we create the instance was to create a security keys, that we named 'aws_key'

- The command used to connect to the EC2

  ```
  ssh -i .\aws_key.pem ec2-user@ec2-54-234-9-205.compute-1
  .amazonaws.com
  ```

- The commands used to upload the files and run the script on the EC2 instance through your local system

  The list.json file:

  ```
  scp -i .\aws_key.pem .\list.json ec2-user@ec2-54-234-9-205.
  compute-1.amazonaws.com:myfiles
  ```

  The python script

  ```
  scp -i .\aws_key.pem .\AWS-tags.py ec2-user@ec2-54-234-9-205.
  compute-1.amazonaws.com:myfiles
  ```

- A table containing the most popular tags and their number of usage

tags	count
romance	6001
fiction	5291
young-adult	5016
fantasy	3666
science-fiction	2779

Table 1: Table of the 5 most popular tags

- A table containing the running time of the script on your local system and EC2 instance

EC2	local system
292,9072 s	437,0474s

Table 2: Running times

The fact that the running time in the EC2 instance is faster may be for two principal reasons:

- One of them is because we ran bot codes at the same time, and also with a lot of tabs opened on the computer. This may cause the PC to go slower, and since the EC2 operates in an isolated environment, is not affected by the local machine's multitasking load.

- Also the hardware of the EC2 instance may be better than the one used in the CPU.

When run separately from the EC2 instance, the running time is 278,8508 s. This information reinforces our main reason.

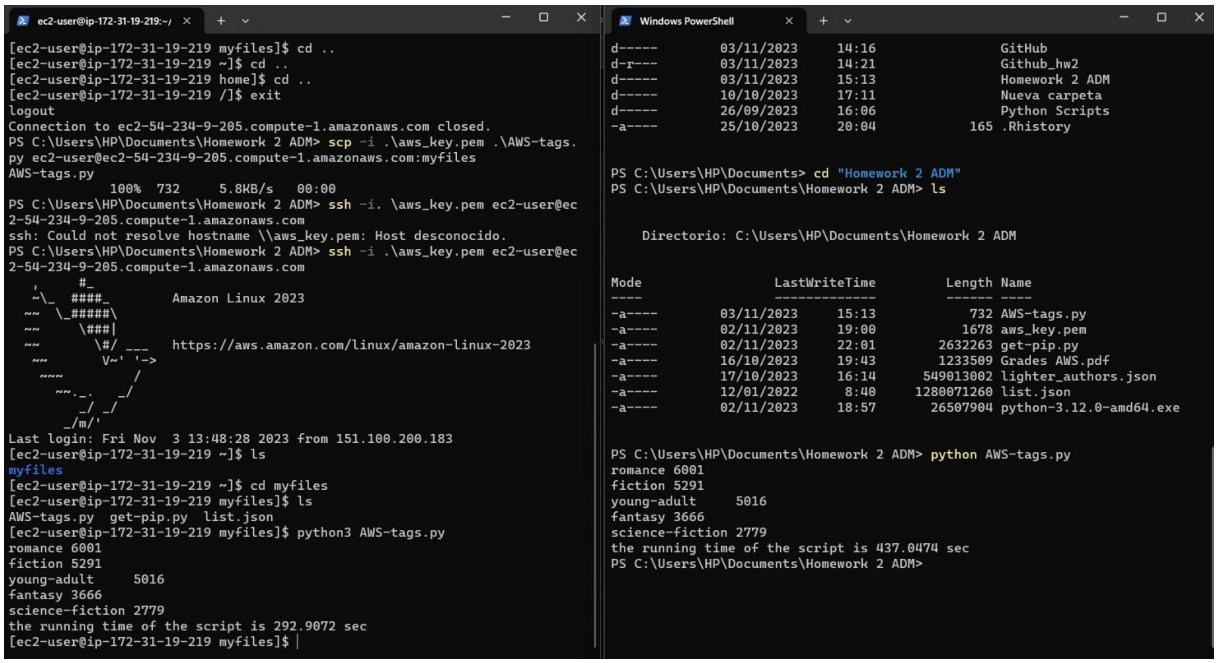

Figure 1: Screenshot of the terminal with both scripts runned

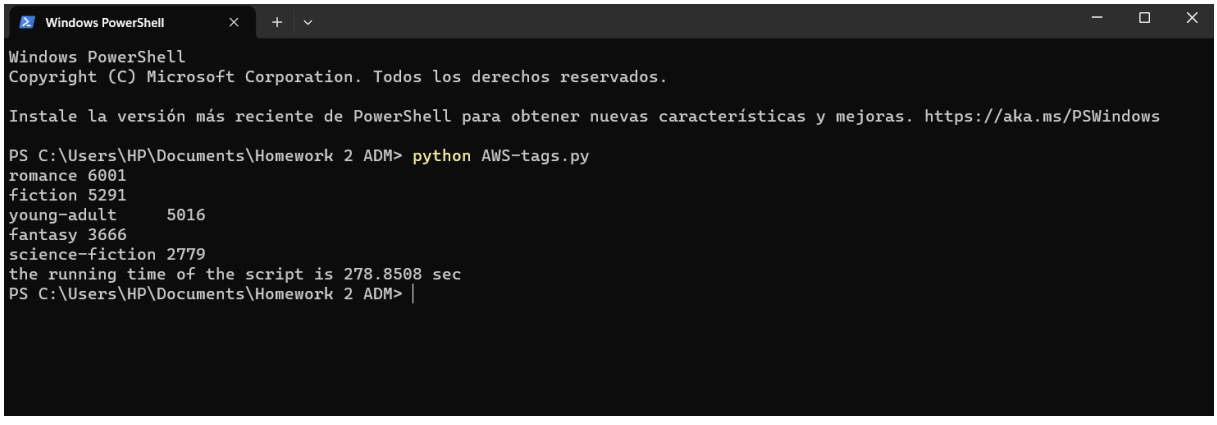

Figure 2: Screenshot of the script runned in the local terminal