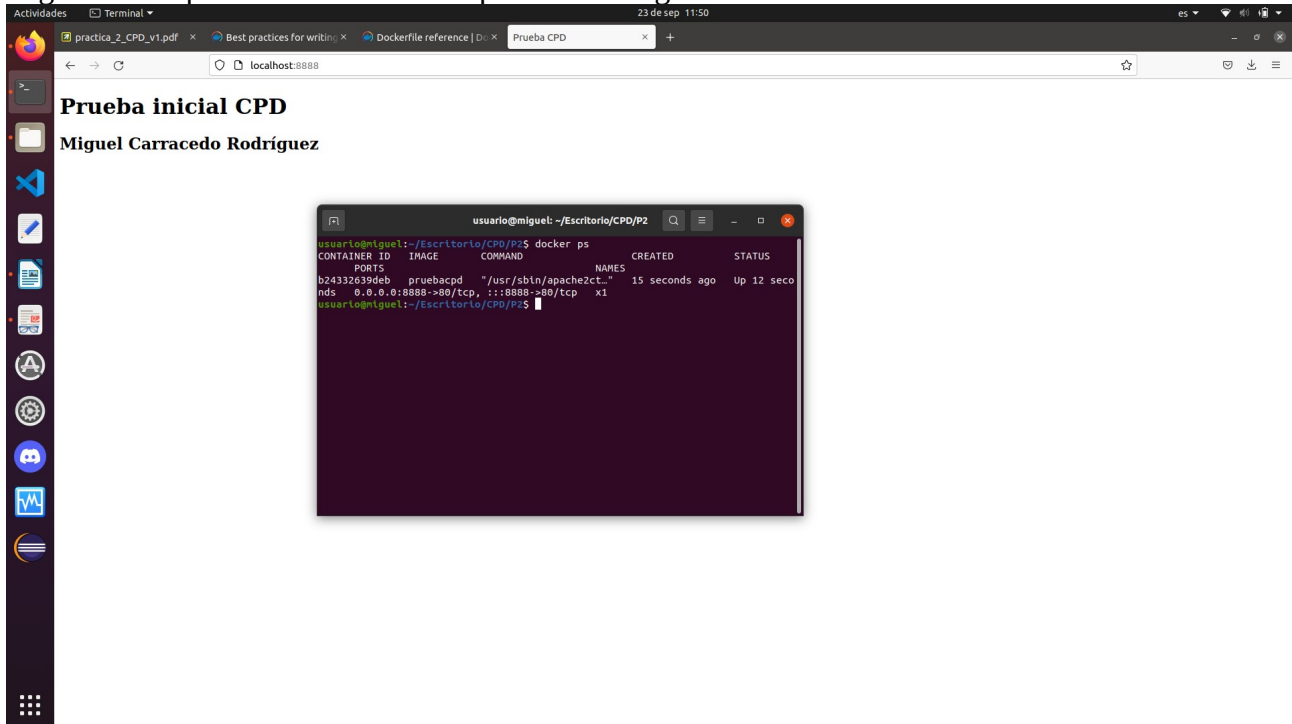


Practica 2

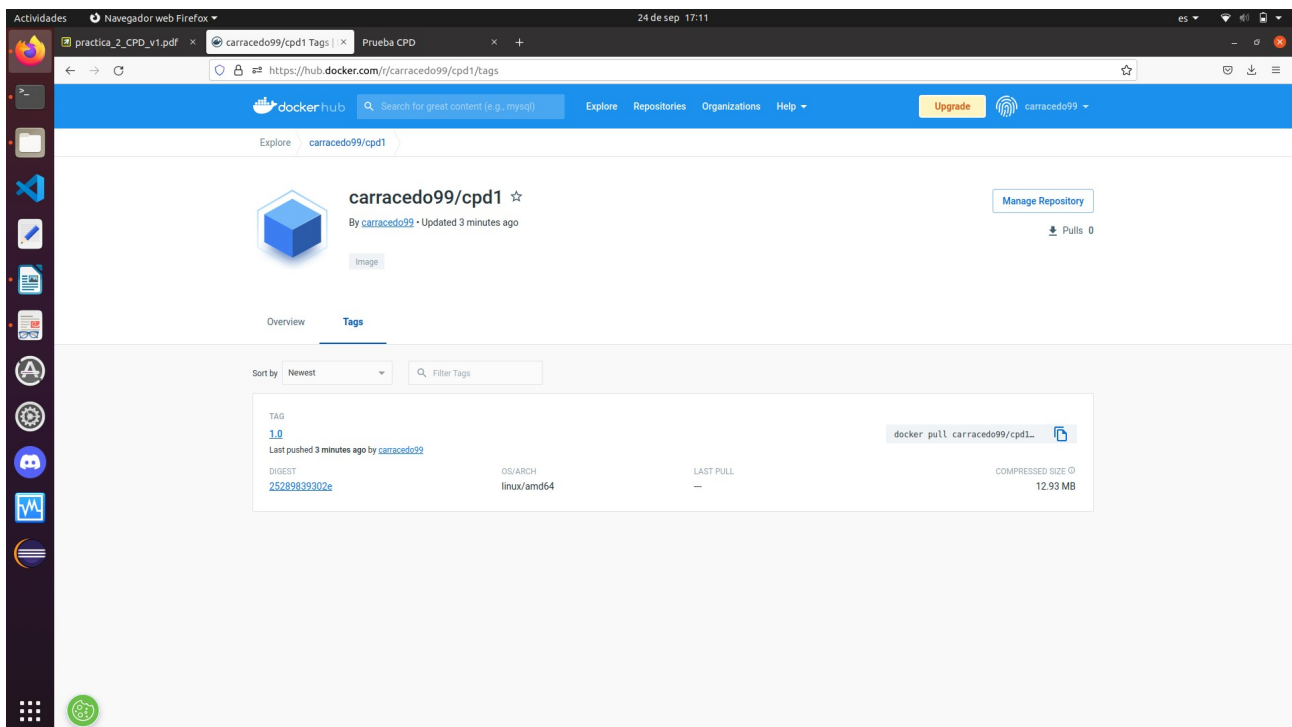
Ejercicio 1:

Seguimos los pasos indicados en el apartado 1 del guion.



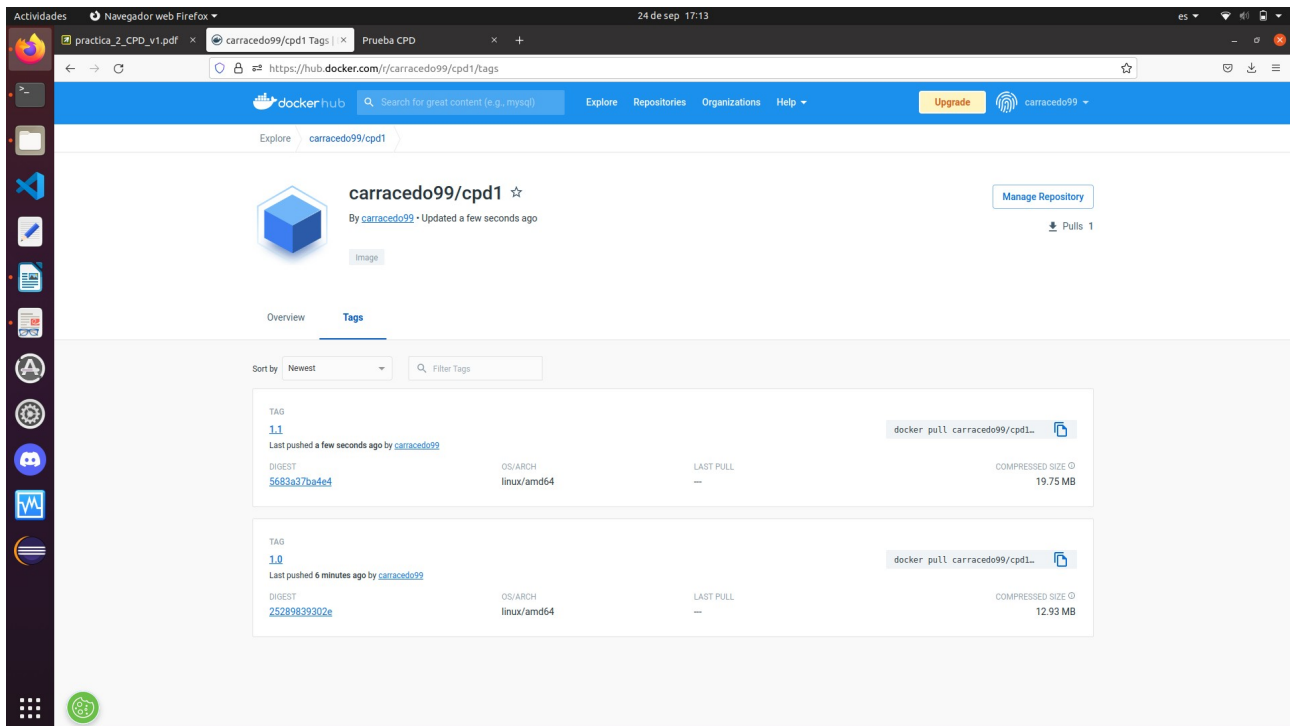
Ejercicio 2:

Creamos la imagen cpd1 y la subimos



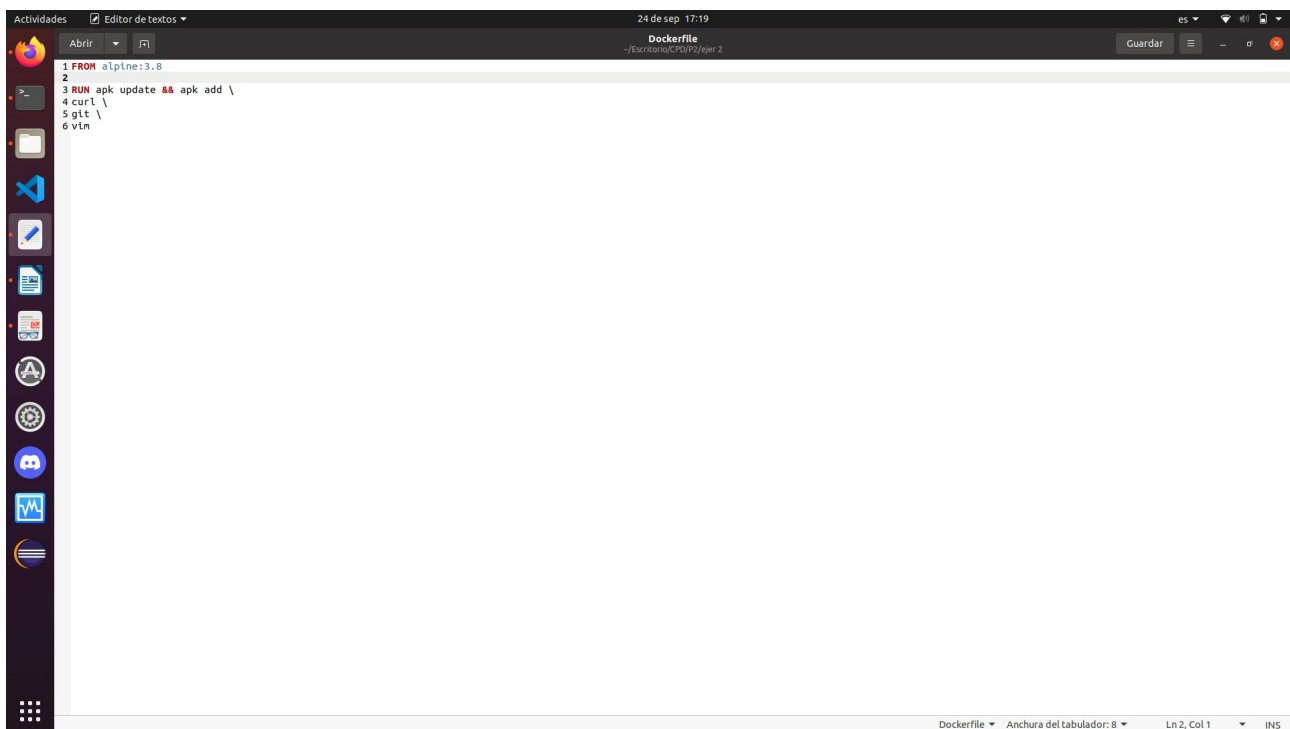
Miguel Carracedo Rodríguez

Ahora reconstruimos la imagen:



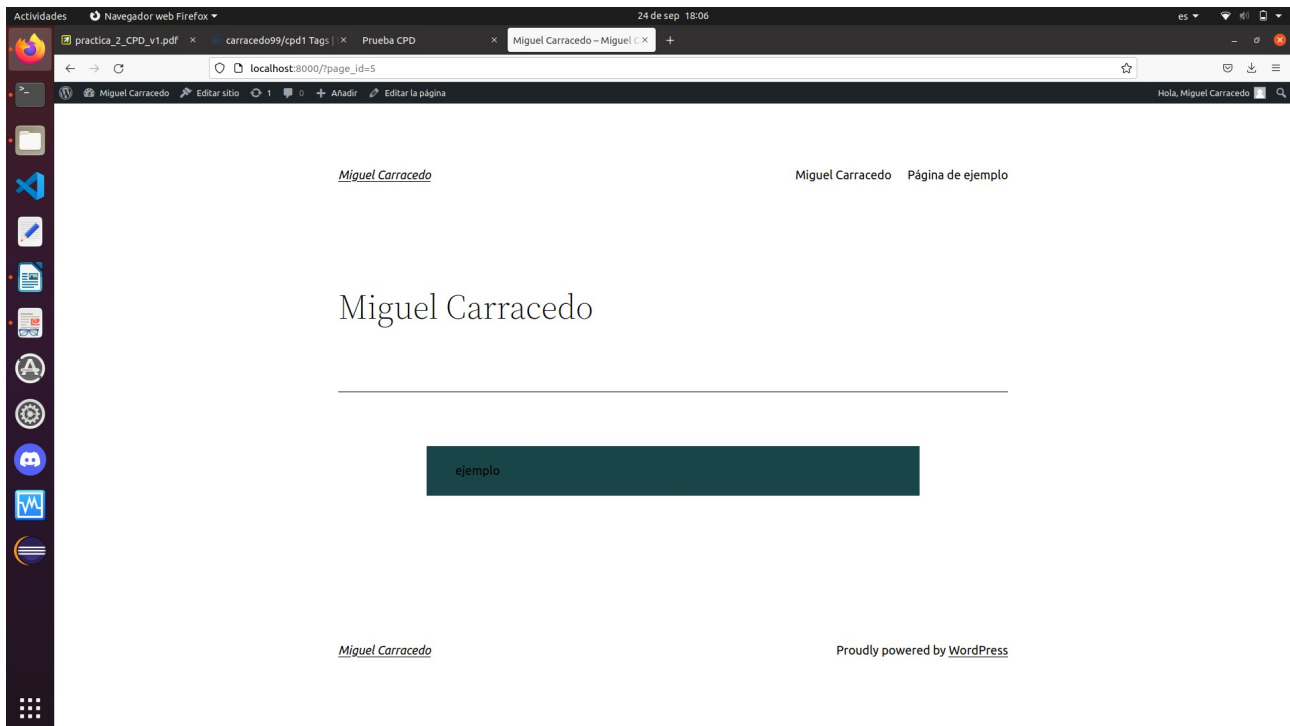
Ejercicio 3:

Fichero dockerfile

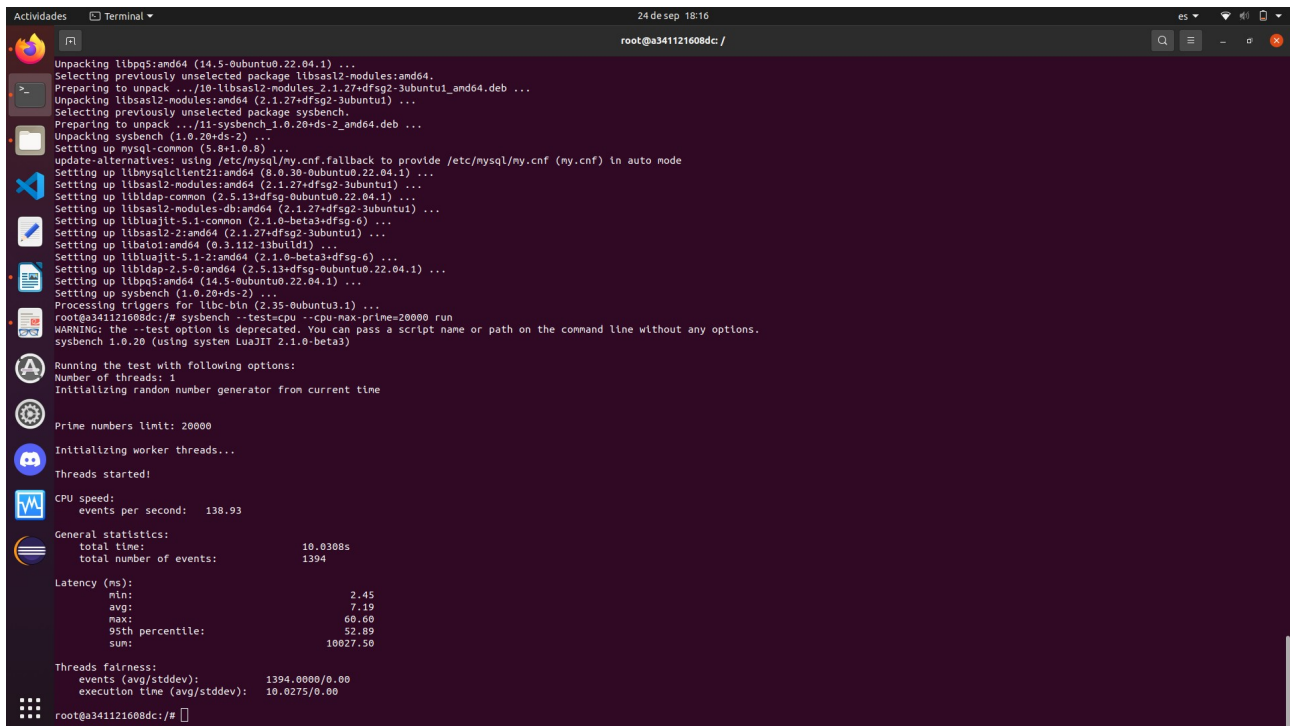


Miguel Carracedo Rodríguez

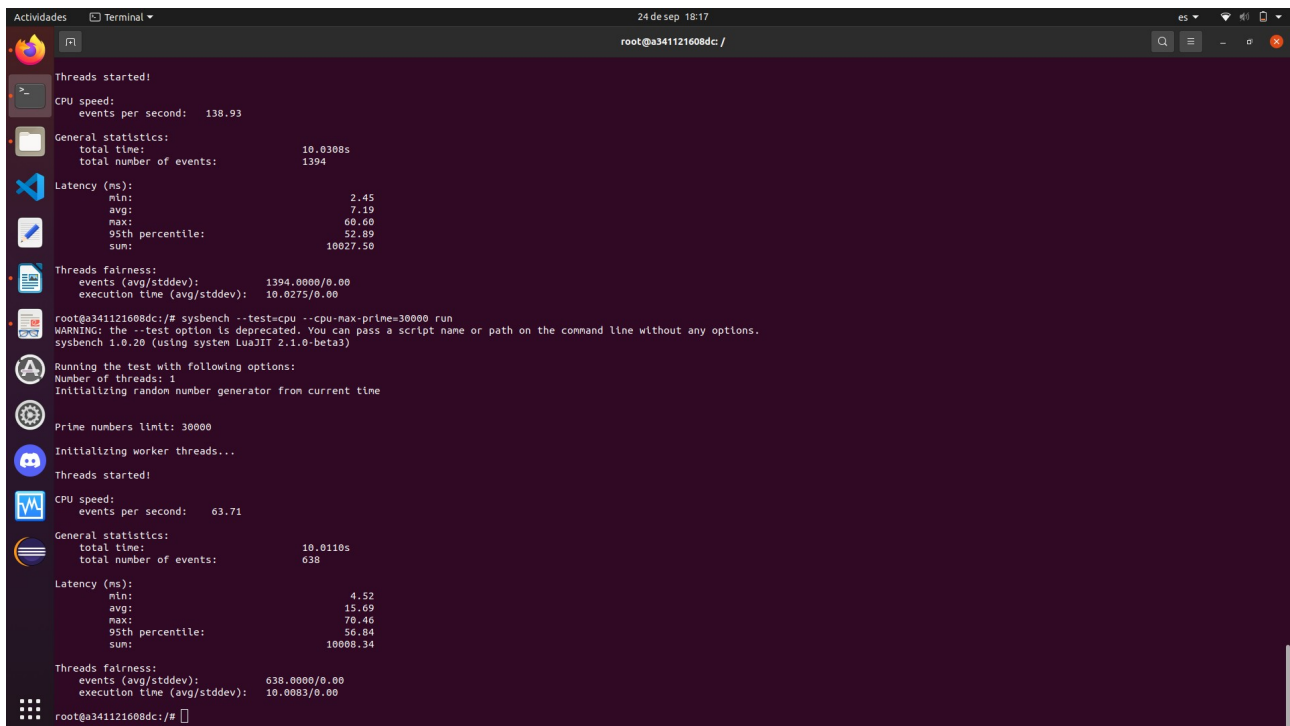
Ejercicio 4:



Ejercicio 5: (seguimos los pasos del guion)



Ahora probamos como al aumentar el parámetro cpu-max-prime disminuye la velocidad de ejecución.



```
root@a341121608dc: /# sysbench --test=cpu --cpu-max-prime=30000 run
WARNING: the --test option is deprecated. You can pass a script name or path on the command line without any options.
sysbench 1.0.20 (using system LuaJIT 2.1.0-beta3)

Running the test with following options:
Number of threads: 1
Initializing random number generator from current time

Prime numbers limit: 30000
Initializing worker threads...
Threads started!

CPU speed:
events per second: 138.93

General statistics:
total time: 10.0308s
total number of events: 1394

Latency (ms):
min: 2.45
avg: 7.19
max: 60.60
95th percentile: 52.89
sum: 10027.50

Threads fairness:
events (avg/stddev): 1394.0000/0.00
execution time (avg/stddev): 10.0275/0.00

root@a341121608dc: /# sysbench --test=cpu --cpu-max-prime=3000 run
WARNING: the --test option is deprecated. You can pass a script name or path on the command line without any options.
sysbench 1.0.20 (using system LuaJIT 2.1.0-beta3)

Running the test with following options:
Number of threads: 1
Initializing random number generator from current time

Prime numbers limit: 3000
Initializing worker threads...
Threads started!

CPU speed:
events per second: 63.71

General statistics:
total time: 10.0110s
total number of events: 638

Latency (ms):
min: 4.52
avg: 15.69
max: 70.46
95th percentile: 56.84
sum: 10000.34

Threads fairness:
events (avg/stddev): 638.0000/0.00
execution time (avg/stddev): 10.0083/0.00

root@a341121608dc: /#
```

Tiempo 1: 10.03

Tiempo 2: 10.01

Primer test realiza mayor numero de eventos que el segundo test.

Tras todo esto lo subimos a docker hub con el comando

docker push carracedo99/cpd1:ubuntu