به نام خدا

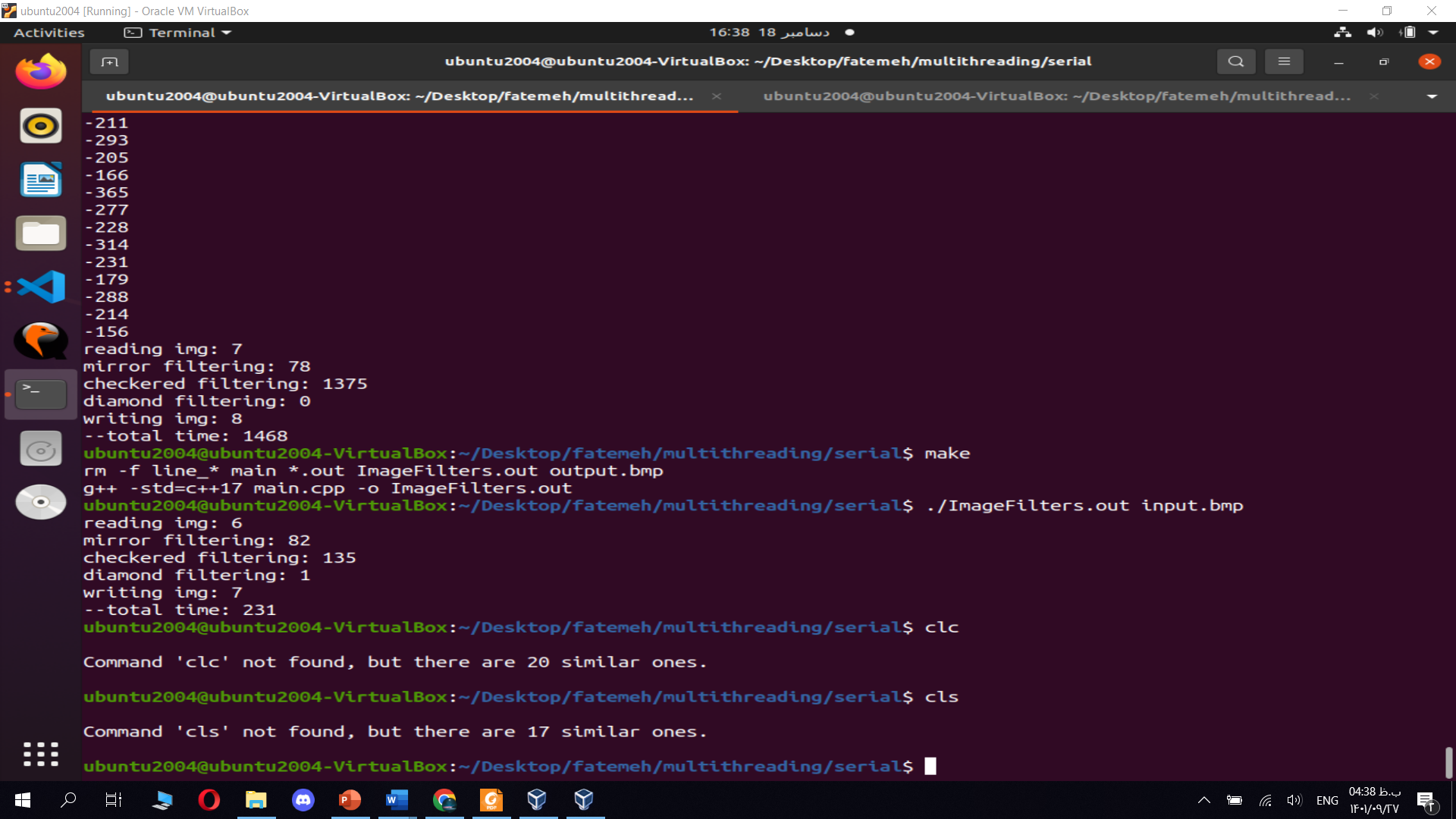
CA3\_Operating Systems

Multithreading

فاطمه شاه حسینی

25/آذر/1401

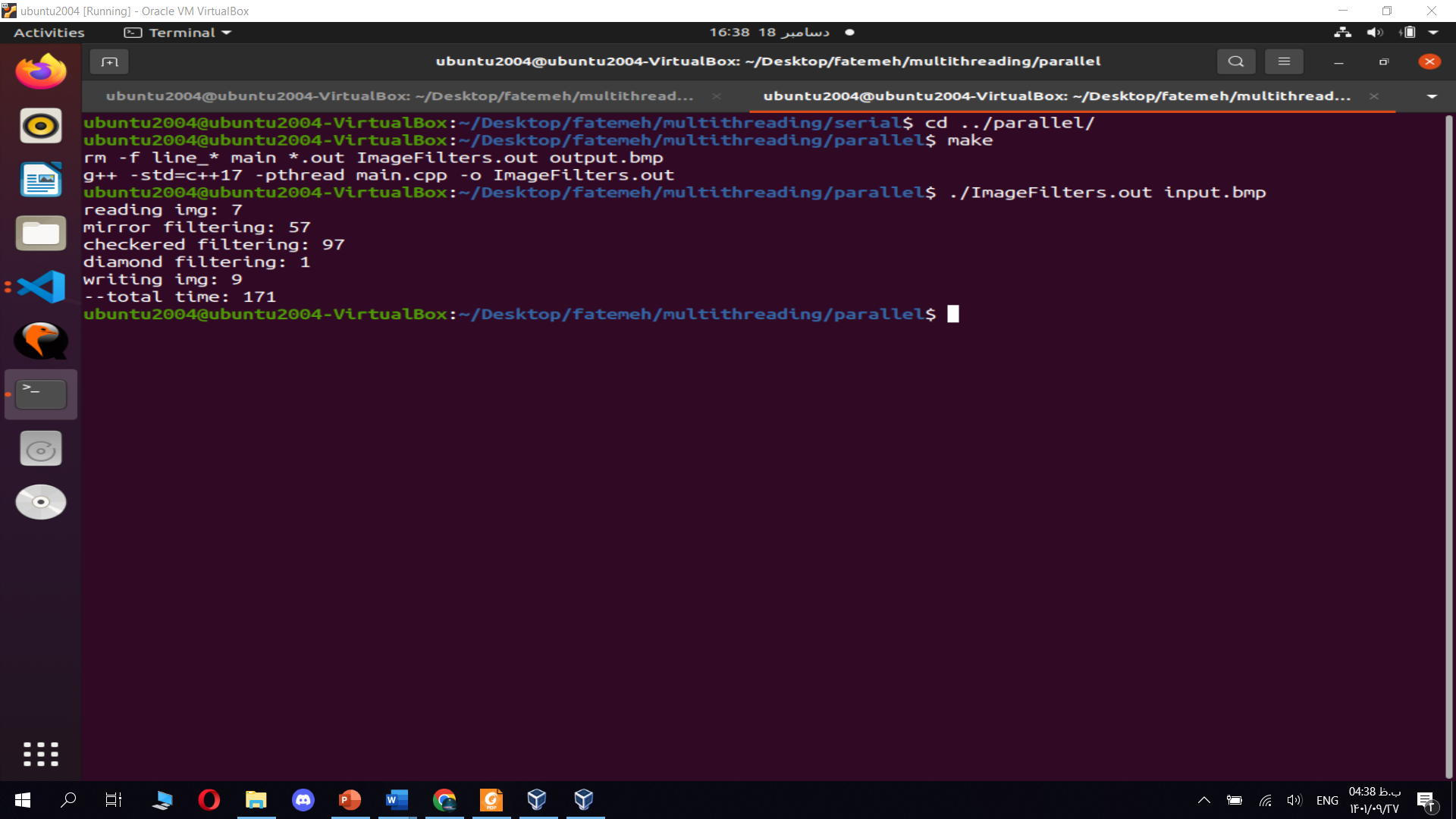
Time costs in SERIAL form:



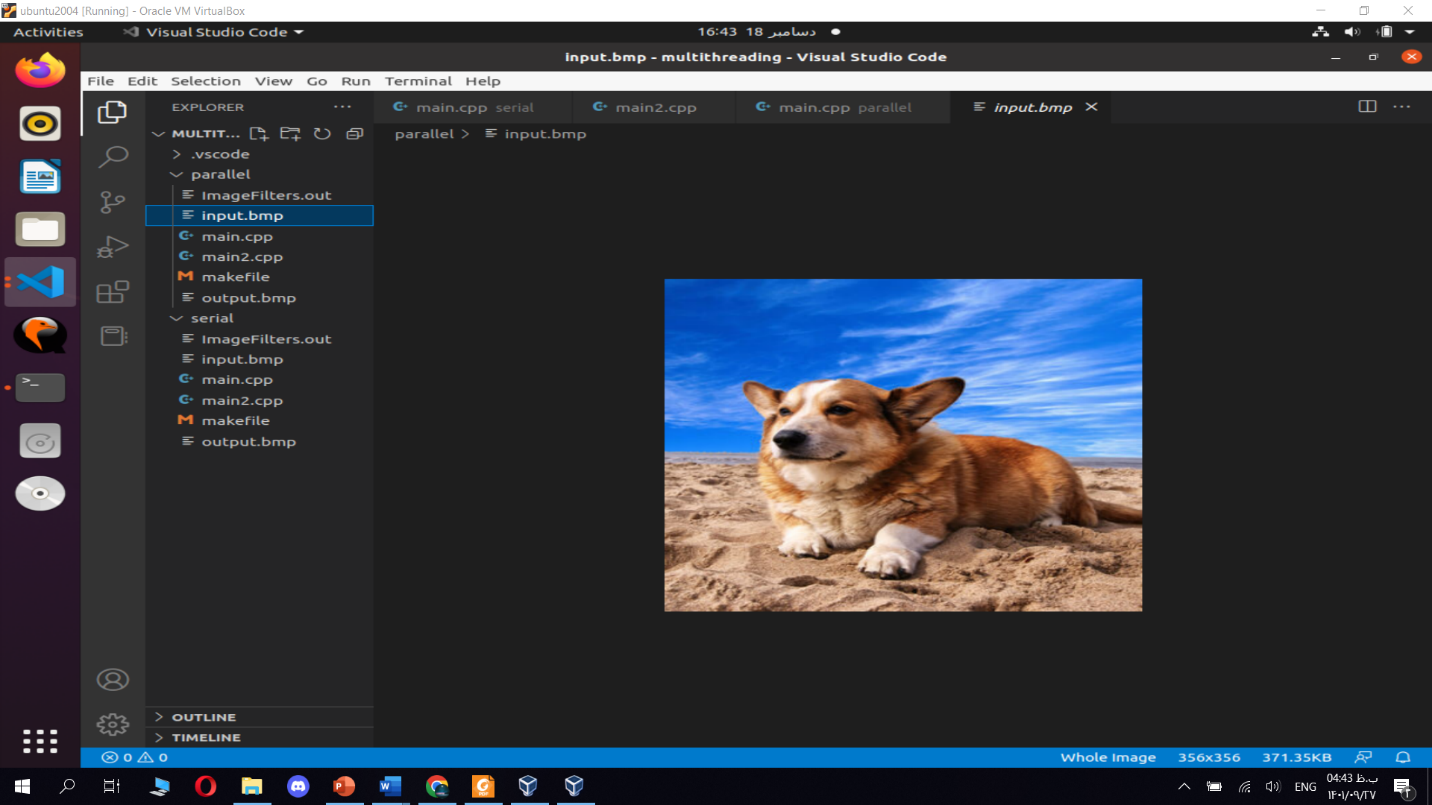
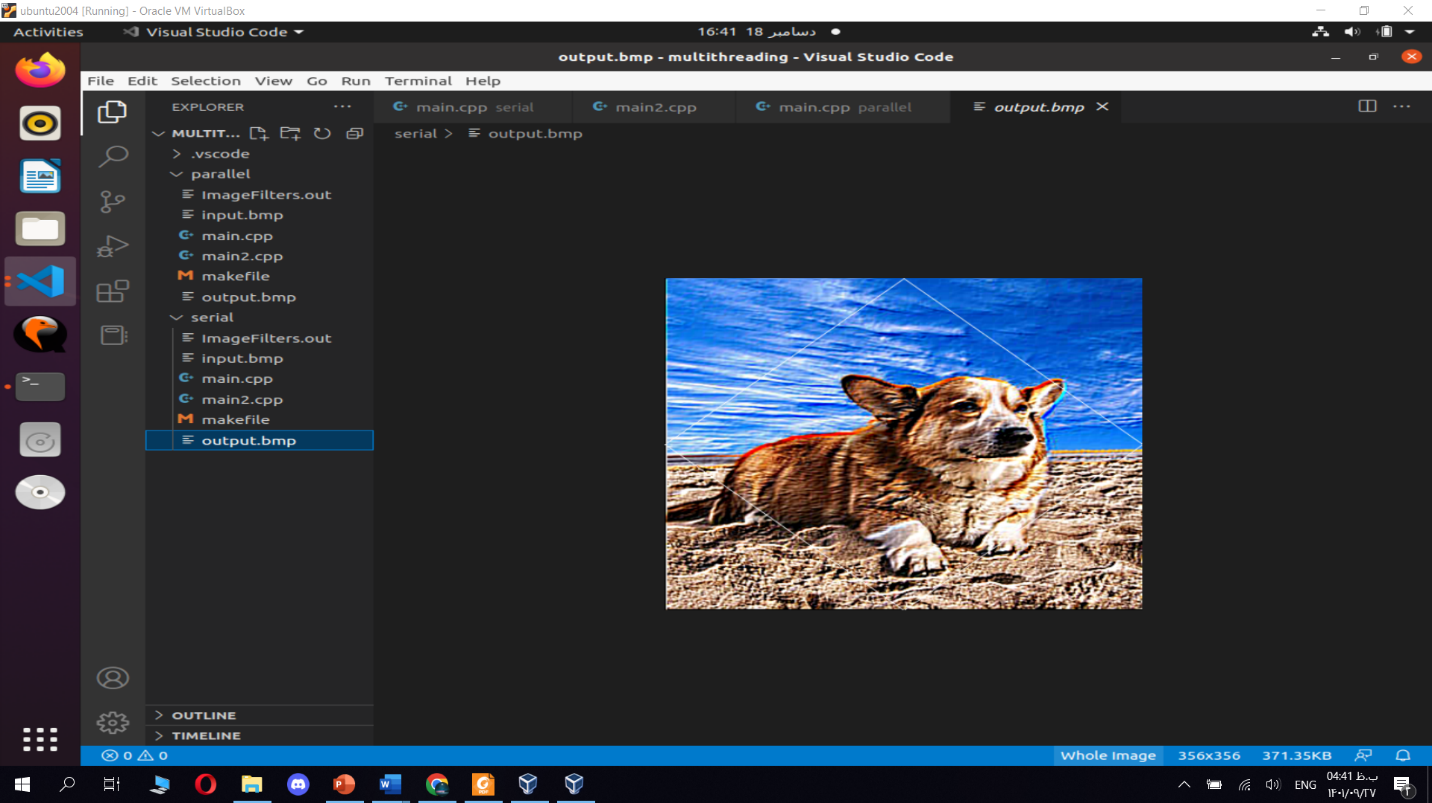
Hot spots:

* Checkered filter
* Horizontal mirror filtering
* Reading the image and store in memory
* Write the filtered image in output

Time costs in PARALLEL form:



Input: Output:

Speed up = 231 / 171 = 1.3