Algorithmics	Student information	Date	Number of session
	UO: 282650	20/02/23	0
	Surname: Fernández Noriega		
	Name: Christian		

Activity 1. Power of the CPUs

Task1:

Processor model and system memory: Intel(R) Core(TM) i7-4770 CPU @ 3.40GHz 3.40 GHz ; 8,00 GB (7,89 GB usable)

SC Mix Avg: 122pts

Time to execute the program: 12805 millis

Approximate index of integer and float operations performed by the program: 1562210

Task 2:

#	CPU	milliseconds	SC Mix (avg)	Operations (aprox.)
1.	i7-4500U	285	82	23370
2.	i3-3220	267	90.5	24163.5
3.	i5-4590	219	115	25185
4.	i7-4790	207	123	25461
5.	Intel Pentium Gold G5400	215	118	25370
6.	i7-4770		122	

(I did not fill the milliseconds nor the operations cells on my CPU because I understood the given milliseconds refer to the Benchmarking1 program, but my measurement does not align (and by a huge margin) with the others. I think it probably has to do with my high Background CPU (30%) at measuring

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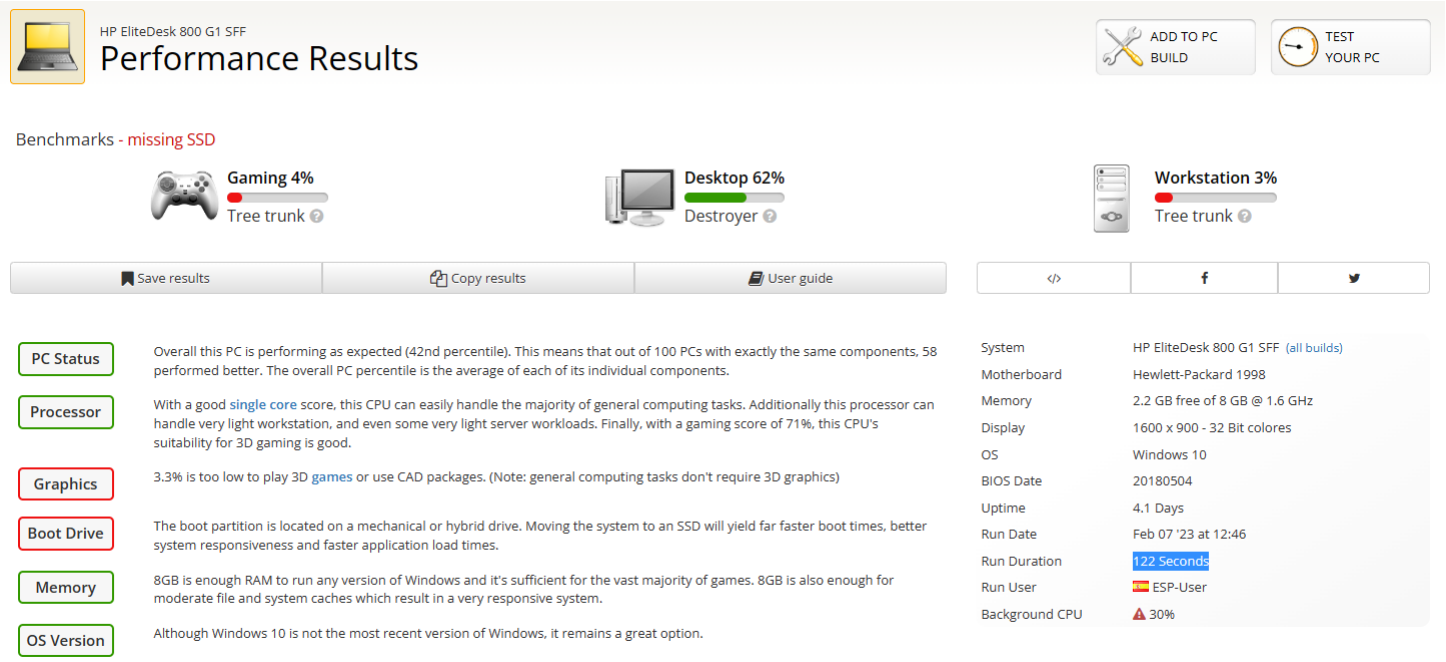
time (I measured the performance from user benchmark:)



Response: I think it is not correct to mix different CPUs in the same study unless SC Mix(avg) was also used, but even then there is some difference, so the most consistent way would be using just one type of CPU at a time (could test the same program from different CPUs but separately)

Activity 2. Influence of the operating system

1.- I think the most appropriate would be either balanced or high performance, depending on which one the program will usually be run on.

2.- No, that would steal some resources for the program so the measurement would not be accurate.

3.- Yes, if the programs are intended to run at the same time or the computer can allocate enough independent resources for each of them.