Algorithmics	Student information	Date	Number of session
	UO: 277921	2/2/2021	0
	Surname: García López		
	Name: Rosa		

Escuela de Ingeniería Informática
Universidad de Oviedo

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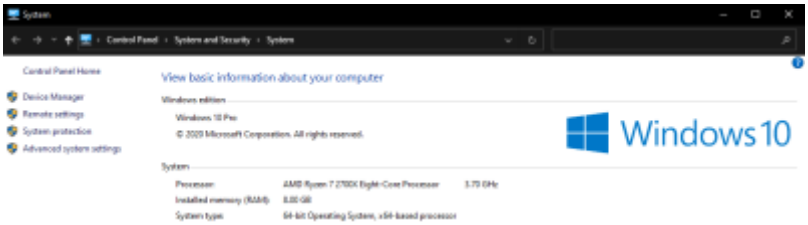
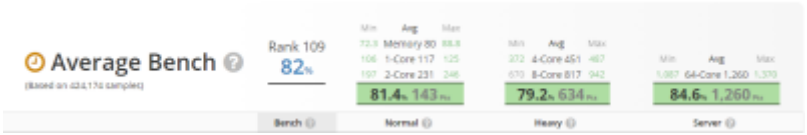
Activity 1. Benchmarking

Task 1

1. Processor: AMD Ryzen 7 2700X Eight-Core Processor
   Installed memory (RAM): 8 GB



2. 1-Core average: 117



3. Time: 147

```
"Actividad 1. Tarea 1: Ejecutar este script en el ordenador de practicas"
"Compilar Benchmarking1"
"Ejecutar Benchmarking1"
n=1048576**TIME=147
```

4. 147 * 117 = 17,199

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Task 2

1	I5-1035G1	283	150	42450
2	i7 -7700HQ	257	94.6	2431.2
3	i5-7400	266	97	25802
4	AMD Ryzen 7 2700X	147	117	17199
5	I5-1035G4	285	113	32205
6	I7-9700f	134	178	23852
7	i7-2820QM	611	82,6	50468,6
8	AMD Ryzen 7 3750H	166	93.1	15454.6
9	I5-8300H	573	94.6	54205.8
10	i5-9600k	171	153	26163
11	i5-7400	266	97	2580

Conclusion

No, I do not think it would be correct to mix values from different CPUs in the same analytical study of the execution times of an algorithm. Every CPU is different so obviously the measurements will be very different.

Activity 2. Influence of the operating system

1. The balanced energy plan.
2. No, because the computer would respond very slowly and the measurements would not be realistic.
3. I think it is convenient but not appropriate, the measurements of each program should be made separately.