

COMPUTER SYSTEMS

UD2: SI FUNDAMENTALS I

Activity 1 & 2

**CFGS
DAM**
Dpt INF

1. Investigate the “Harvard modified architecture”. You can obtain information from https://en.wikipedia.org/wiki/Modified_Harvard_architecture

Post the main differences with “Von Neumann architecture”

2. Fill in the following comparison table (you can choose other processors if you prefer, but one from Intel and the other from AMD):

Features	Intel(R) Core i5 9600			AMD Ryzen™ 7 3800X		
Picture						
Clock speed = clock frequency						
Lithography						
Threads						
Cores						
Bus speed						
Cache Memory	L1	L2	L3	L1	L2	L3
Package (processor)						
Socket (motherboard)						
Max. Temperature						
Thermal Design Power (TDP)						
Price						
Brand and Generation						
Links						
...						

If you have the possibility to buy one of them, which one would you choose? Why?

3. Fill in the following table with 2 RAM modules including the link to the page/s where you found the information. Choose which one you would choose among the 2 giving the reasons for your decision :

RAM memory Model	
Density (GB)	
Technology	
Speed (MT/s)	
PC speed (MB/s)	
Velocidad efectiva (MHz)	
CAS latency	
Module type	
Voltage	
Price	
Link	