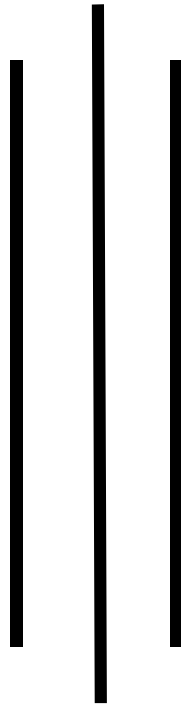


**FIRST ASSIGNMENT**  
**LECTURE : ORGANIZATION AND ARCHITECTURE**  
**COMPUTER**



by:

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## Brief Computer Specification :

Computer Name : DESKTOP-JHA76DL  
Computer Type : Hp 15-ba004ax  
Computer OS : Windows 10 Professional (x64) Build 17134.407 (1803/RS4)  
CPU Brand Name : AMD A10-9600P RADEON R5, 10 COMPUTE CORES 4C+6G  
CPU Technology : 28 nm  
Number of CPU Cores : 4  
Number of Logical CPUs : 4  
Computer Ram : 8 GBytes

## Computer Cache Analysis

### Note :

**AMD A10-9600P CPU doesn't support L3 cache memory and only have L1 and L2 cache.**

No	Parameter	Analysis
1.	Cache Size	
	L1-Cache	: 320 Kbytes (2 x 96 Kbytes, Data: 4 x 32 Kbytes)
	L2-Cache	: 2048 Kbytes (2 x 1 Mbytes)
2.	Cache Location	
	L1-Cache	: Internal
	L2-Cache	: Internal
3.	Cache Speed	
	L1-Cache	: 1 ns
	L2-Cache	: 1 ns
	Main Memory	
	Cycle Time (ns) (MAX)	1,6 ns
	Latency Time (ns) (MAX)	13,5 ns
	<b>Main Memory Speed</b>	<b>21.6 ns</b>
4.	Processor Type	
	Processor Name	: AMD A10-9600P
	Original Processor Frequency	: 2400.0 MHz
	CPU Technology	: 28 nm
5.	Main Memory	
	Type	: DDR4 SDRAM
	Size	: 8Gbytes (2 x 4Gbytes)
	Manufacture	: SK Hyinx