Assignment

Question 01:

1. Apple iPad 10.2'' (9th generation)

Specification		
Processor	A13 Bionic chip with 64 bit architecture and embedded motion co-processor	• Hexa-core (2x2.65 GHz Lightning + 4x1.8 GHz Thunder) ❖ While one core is working on one task, another core can work on a different task. Therefore, a CPU's efficiency increases with the number of cores it has. • CPU frequency is 2650 MHz which describes the processor's clock rate in cycles per second. ❖ The computer processor will be able to process information more quickly with a higher number of cycles per second.
RAM	3 GB LPDDR4X SDRAM	• Low Power Double Data Rate 4X Synchronous Dynamic Random-Access Memory, is a common memory type found in mobile devices such as smartphones and tablets. • The RAM gives the device the memory it needs to execute multiple applications at once. • Additionally, this is designed to provide memory access with high bandwidth while consuming the least amount of power, thereby extending battery life.
Cache memory	L1 128 KB + 128 KB L2 8192 KB	• Improves processing speed by temporarily storing frequently used data and lowering latency.
Secondary storage	64 GB or 256 GB (depends on the model)	

❖ As a mobile device, when it comes to performance, the A13 Bionic chip is made to be energy-efficient. For most essential of tasks, the 3GB RAM is sufficient and helps save energy. The device remains lightweight and portable due to the lack of external storage choices.

References:

https://www.devicespecifications.com/en/model/2a5c574c