- Used to store programs and data
- Addressi'ng

Multi-Syte types

	^ -	00000000	00000000	00000000	00000101	
		95	96	97	98	
could also be stored like this						
	^ ·	00000101	00000000	00000000	00000	000
		95	96	G7	98	

Byte ordering

Words and mati-byte types are made of multiple bytes
Bits within bytes are organized with the most significant bit on the left
Bytes within words can either be organized with the most significant byte at the lowest address (little endion) or a t the highest address (bis endian)
The address of a word is the address of the lowest byte address, regarders of endianness

- Accessivy main memory is relatively slow, as it is not located on the  $(P(\lambda$ 

- Recently accessed memory, and memory that is likely to be accessed soon, is stored in the CBU cache
- Accessing cache is on the order of 1 44 (have second)
- Accessing main memory is on the order of 100 ns

Cache wemony