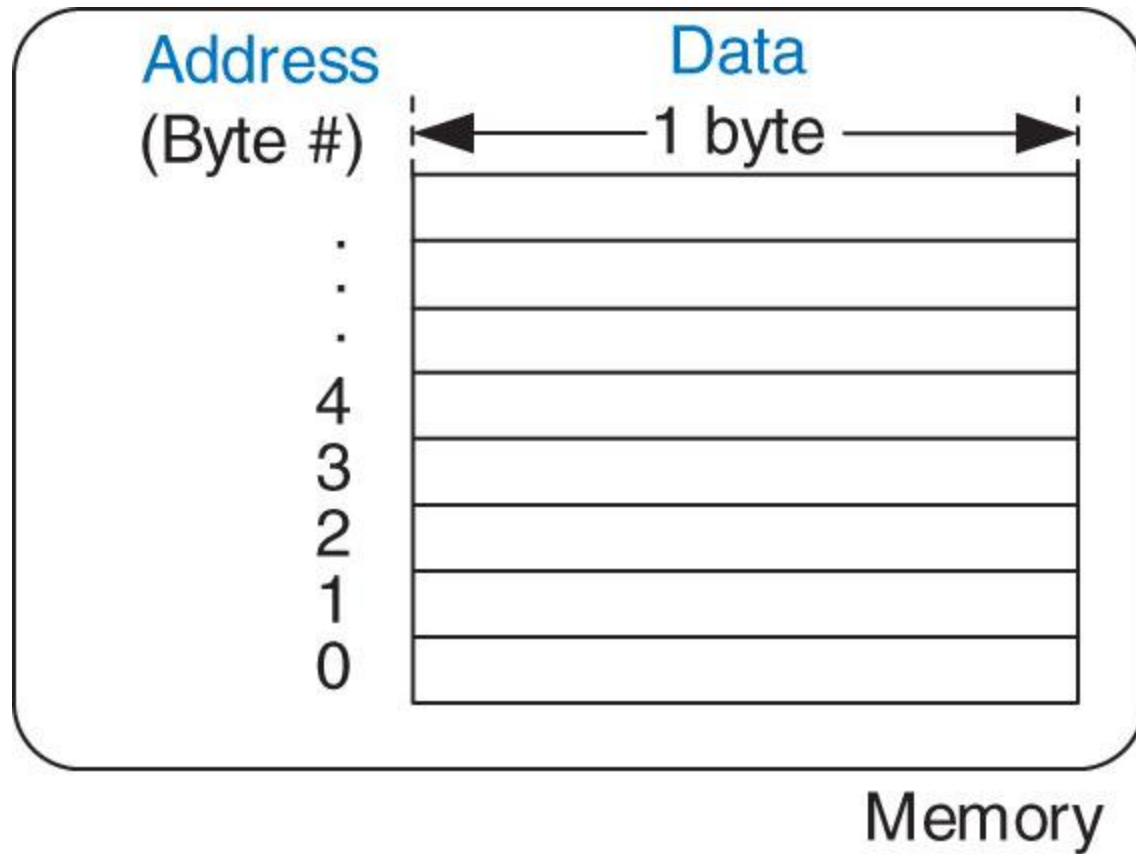


# Appendix C



**Figure C.1 C's view of memory**

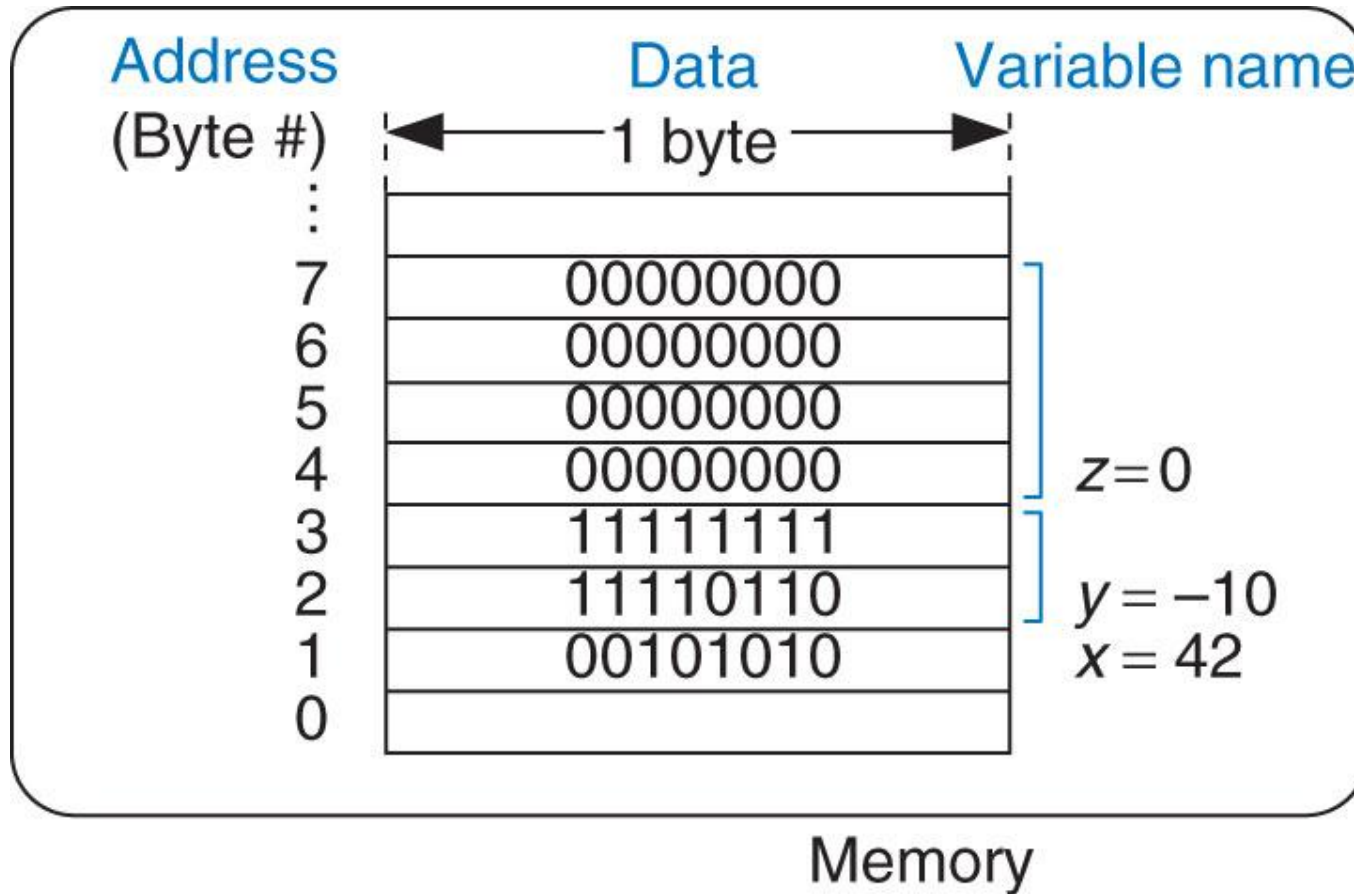


Figure C.2 Variable storage in memory for C Code Example C.3

Address (Byte #)	Data	Variable name
0x7B		
0x7A		
0x79		
0x78	0x70	ptr
0x77		
0x76	68500	salary2
0x75		
0x74		
0x73		
0x72	67500	salary1
0x71		
0x70		

Memory

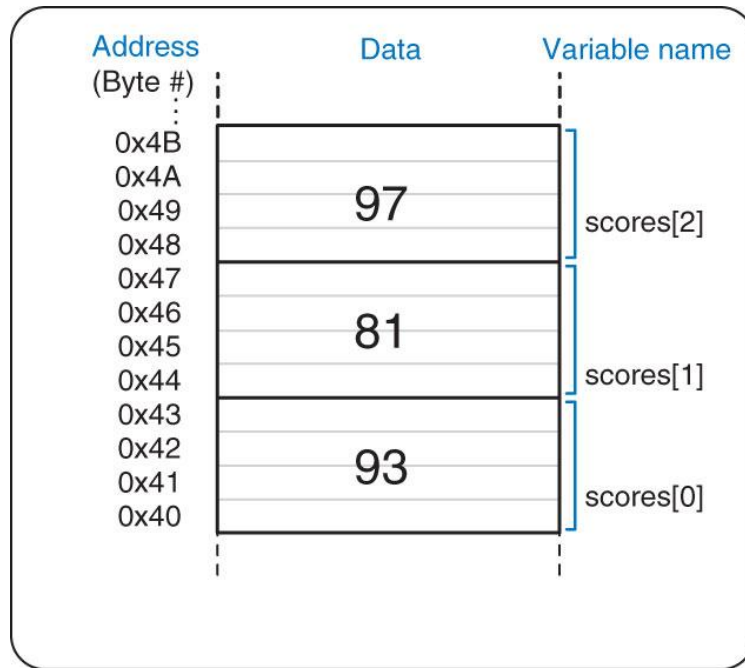
(a)

Address (Byte #)	Data	Variable name
0x7B	0x00	
0x7A	0x00	
0x79	0x00	
0x78	0x70	ptr
0x77	0x00	
0x76	0x01	
0x75	0x0B	
0x74	0x94	salary2
0x73	0x00	
0x72	0x01	
0x71	0x07	
0x70	0xAC	salary1

Memory

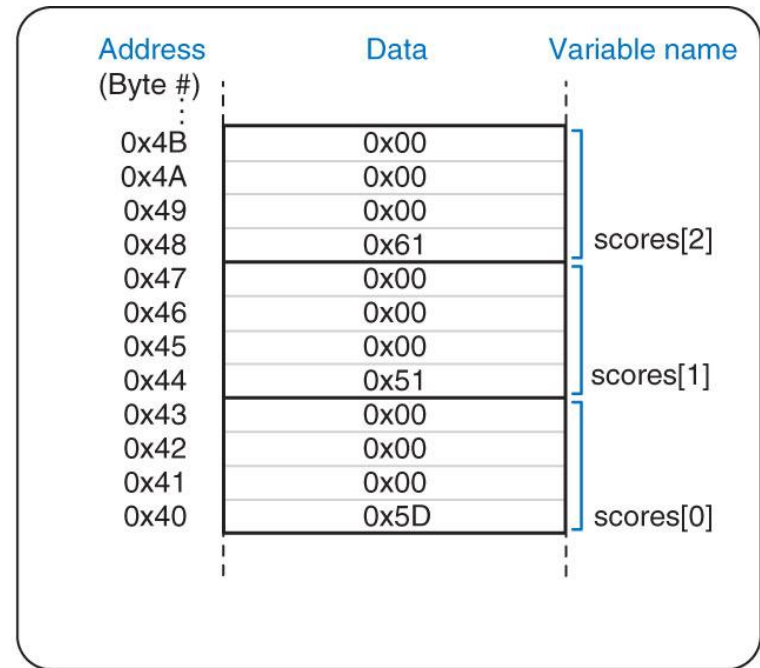
(b)

**Figure C.3 Contents of memory after C Code Example C.18 executes shown (a) by value and (b) by byte using little-endian memory**



(a)

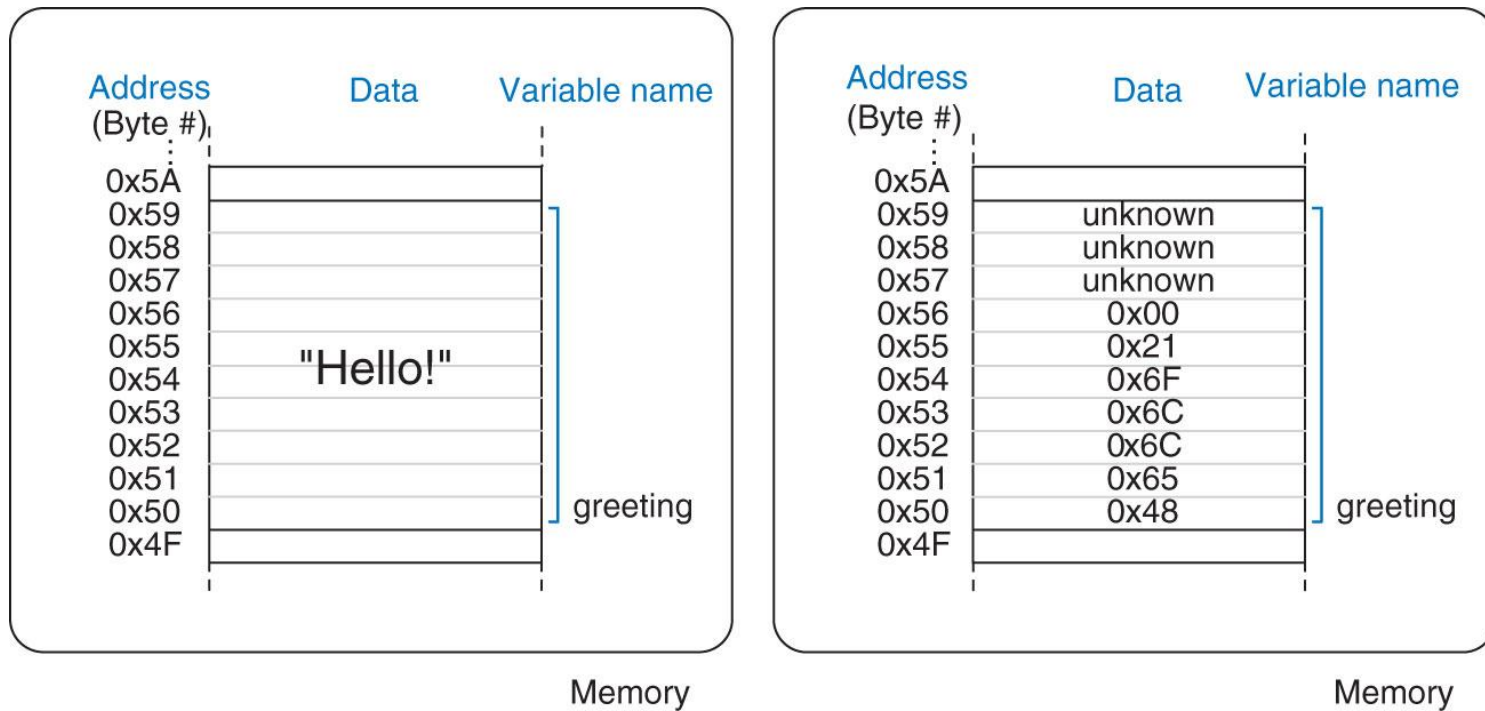
Memory



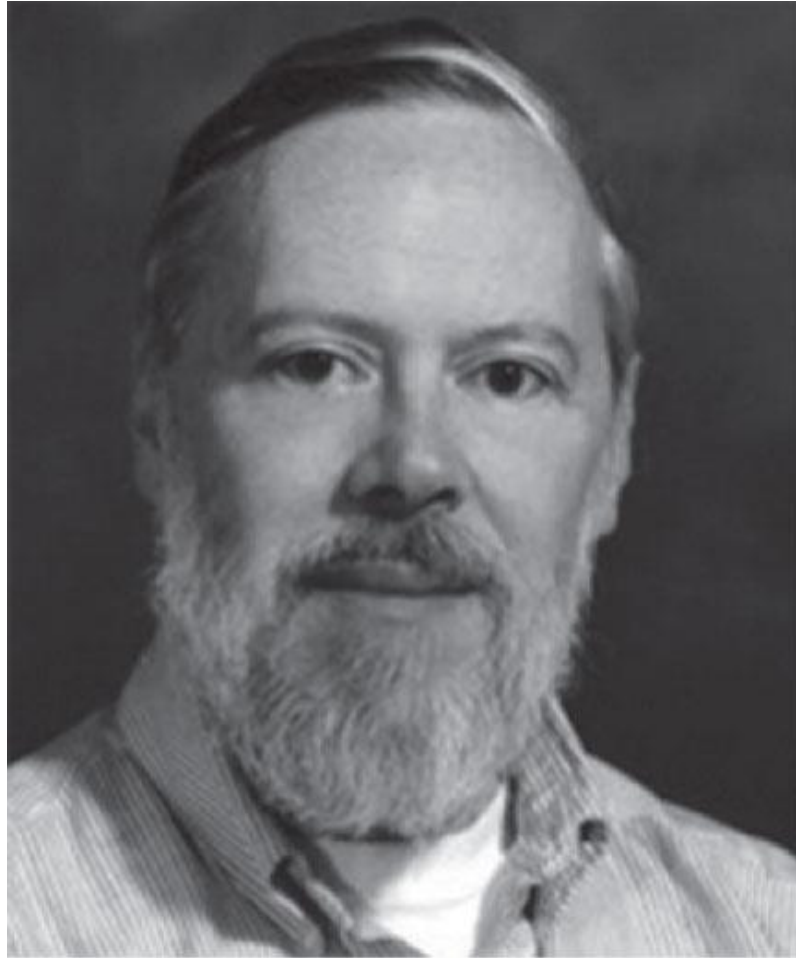
(b)

Memory

**Figure C.4** scores array stored in memory



**Figure C.5** The string "Hello!" stored in memory.



**UNN Figure 1a**

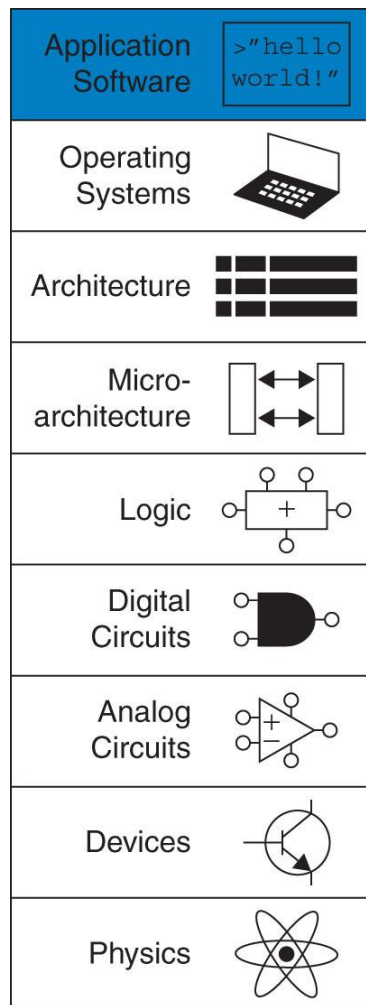


**UNN Figure 1b**





**UNN Figure 2**



**UNN Figure 3**