Basis and Practice in Programming
프로그래밍 기초와 실습

- Pointers -
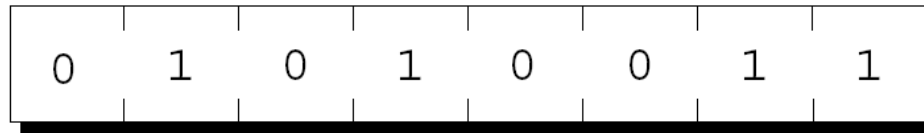
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Outline

- Pointer

- Pointer operators
  - Address
  - Indirect

- Pointer assignment

- Pointers as arguments / return values

Pointer Variables

- The first step in understanding pointers is visualizing what they represent at the machine level.

- In most modern computers, main memory is divided into *bytes,* with each byte capable of storing eight bits of information:

0	1	0	1	0	0	1	1

- Each byte has a unique *address.*

Pointer Variables

- If there are *n* bytes in memory, we can think of addresses as numbers that range from 0 to *n* – 1:

Address	Contents
0	01010011
1	01110101
2	01110011
3	01100001
4	01101110
⋮	⋮
n-1	01000011