



G-CAMP WORKSHOP

BUILD THE RIGHT THING
BUILD THING RIGHT
SHIP FAST

Lecturer Kim Myoung-Ho
Nickname 불스
blogstudy@naver.com

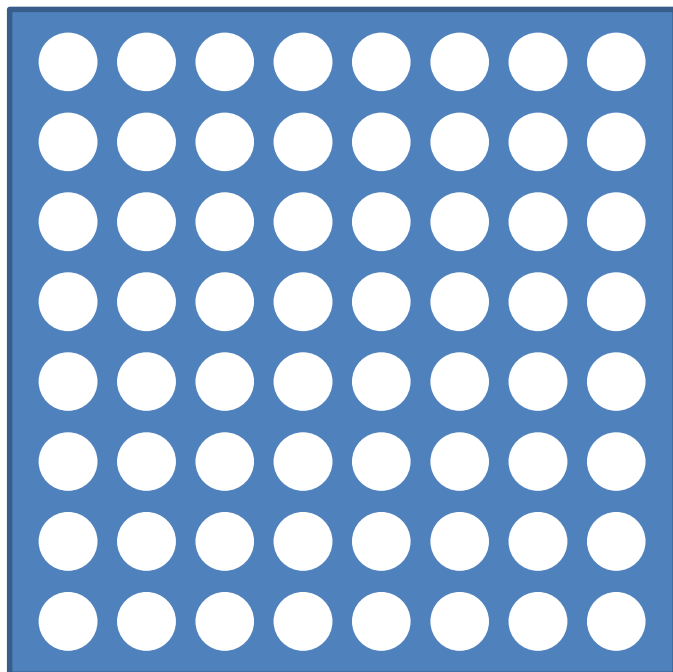
29강_LED Matrix(8X8)사용하기

- LED Matrix(8X8) 구조
 - 회로 구성
 - 출력 그리드

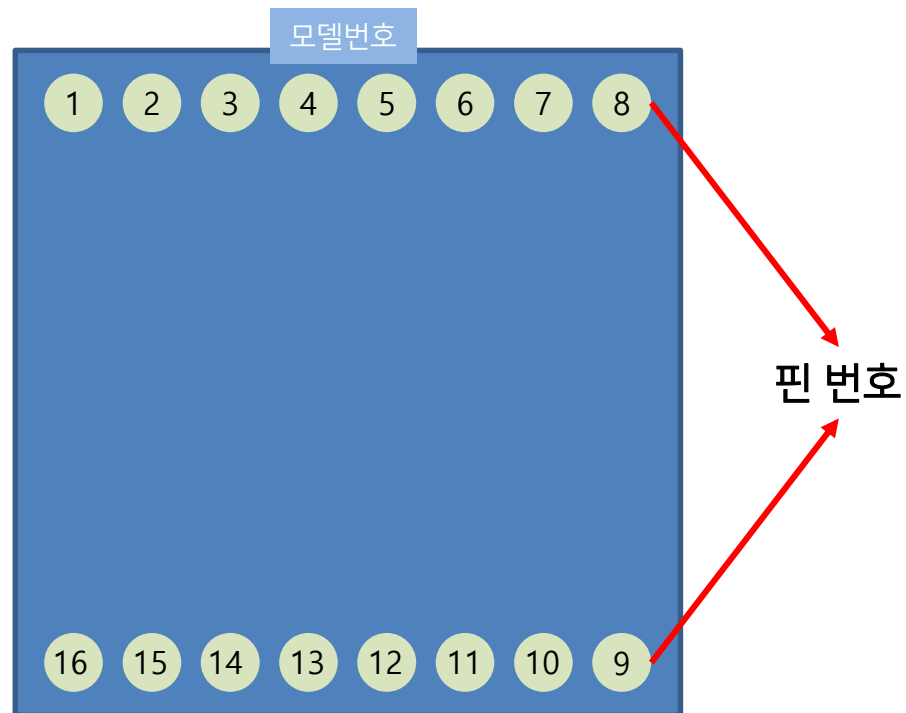


29-1. LED Matrix(8X8) 구조

front



back

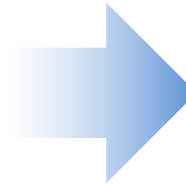
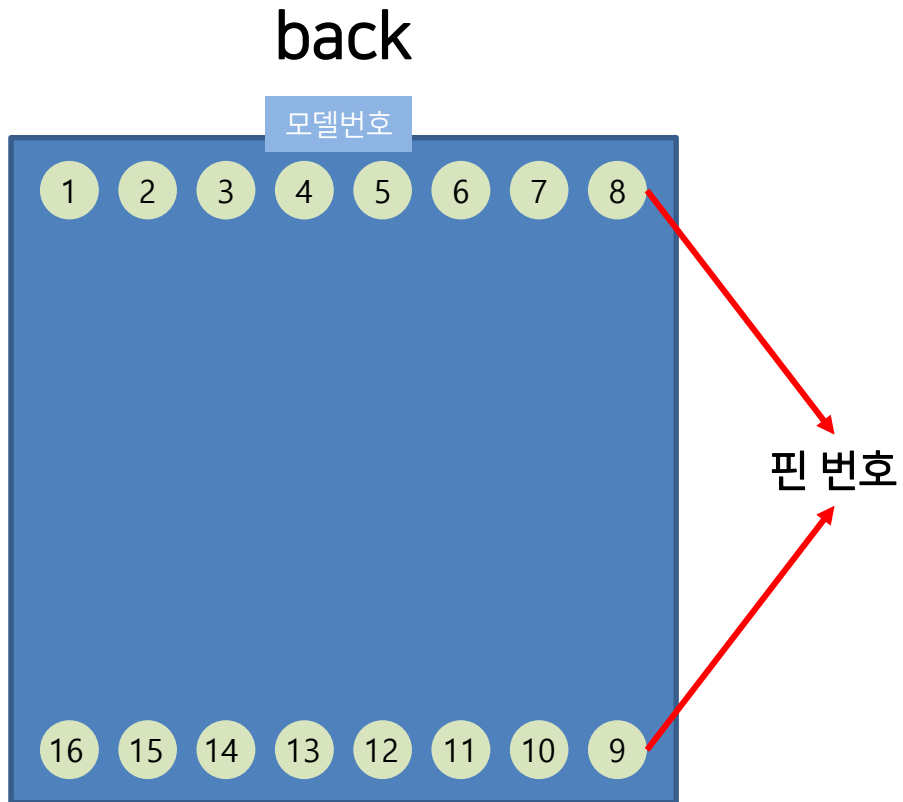


LED Matrix 구분

- **행** 선택 → **열** 선택
양극 방식 : 행(VCC), 열(GND)
음극 방식 : 행(GND), 열(VCC)
- **열** 선택 → **행** 선택
양극 방식 : 행(VCC), 열(GND)
음극 방식 : 행(GND), 열(VCC)



29-2. 회로 구성

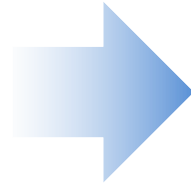
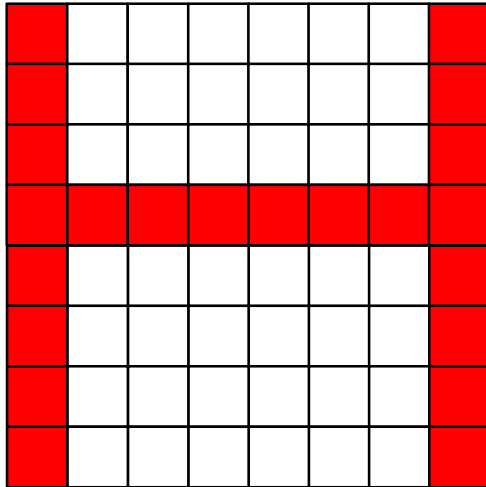


| | | |
|----|---|-----|
| 1 | → | D6 |
| 2 | → | D8 |
| 3 | → | D11 |
| 4 | → | D12 |
| 5 | → | D9 |
| 6 | → | A0 |
| 7 | → | D7 |
| 8 | → | D4 |
| 9 | → | D2 |
| 10 | → | D13 |
| 11 | → | A1 |
| 12 | → | D5 |
| 13 | → | D10 |
| 14 | → | D3 |
| 15 | → | A2 |
| 16 | → | A3 |



29-3. 출력 그리드

문자 'H' 출력



1행 → 00000001
열 → 01111110

2행 → 00000010
열 → 01111110

3행 → 00000100
열 → 01111110

4행 → 00001000
열 → 00000000

5행 → 00010000
열 → 01111110

6행 → 00010000
열 → 01111110

7행 → 00010000
열 → 01111110

8행 → 00010000
열 → 01111110