**Demo Yazılım 1**

**### Instruction List Breakdown**

| Instruction | Address/Data | Description |

|-------------|-------------|---------------------------------------------|

| LOD | 0 | Load value 0 |

| ORLOAD | 2 | Orload value 2 |

| ANDLOAD | 1 | Andload value 1 |

| ORLOAD | 3 | Orload value 3 |

| OUT | 200 | Output to address 200 |

**### LADDER DIAGRAM Breakdown**

|----[ ]----[ ]----( )----| // 0 AND 1 → 200

| 0 1 200 |

|----[ ]----[ ]----( )----| // 2 AND 1 → 200

| 2 1 200 |

|----[ ]----( )----| // 3 → 200

| 3 200 |

#include "PLC.h"

PLC plc;

void setup() {

Serial.begin(9600); // open the serial port at 9600 bps:

plc.init();

delay(1500);//Delay to let system boot

}

void loop() {

      plc.load(0);

      plc.orload(2);

      plc.andload(1);

      plc.orload(3);

      plc.out(200);

}