**Elevator system with scheduling to move on closest floor for every button pushed**

Components required:

1. Stepper Motor (Nema 17)
2. Motor Driver (L298N)
3. Arduino UNO
4. 4 Push Buttons(elevator buttons control- 4 floors- 1,2,3,4)
5. Resistors
6. BreadBoard
7. Jumper wires

Connections:

* Stepper Motor is connected with Motor Driver
* Motor driver (Pin 1) connected to Pin 8 of Arduino
* Motor driver (Pin 2) connected to Pin 9 of Arduino
* Motor driver (Pin 3) connected to Pin 10 of Arduino
* Motor driver (Pin 4) connected to Pin 11 of Arduino
* Motor driver +5V connected to +5V of Arduino
* Motor driver GND connected to GND of Arduino
* One Pin of each button is connected to the +5V of Arduino
* One leg of each Resistors connected to each button is connected to the 2, 3, 4, 5 Pins respectively of the Arduino
* Another leg of each Resistors connected to each button is connected to the GND of the Arduino

