

Lab Assignment 2:

Rotating LED's From Left to Right and Vice Versa using simple "Mov" Commands.

Code:

```
ORG 00H
MOV P1, #00h
AGAIN:
MOV P1, #80H

MOV P1, #40H

MOV P1, #20H

MOV P1, #10H

MOV P1, #08H

MOV P1, #04H

MOV P1, #02H

MOV P1, #01H

CLR P1.0

MOV P1, #02H

MOV P1, #04H

MOV P1, #08H

MOV P1, #10H

MOV P1, #20H

MOV P1, #40H

SJMP AGAIN
END
```

Instructions:

1. Use F7 to build
2. Use CTRL + F5 to Start Simulation
3. Click on Peripherals and Select I/O Ports then Click on Port 1
4. Now use the Step by step execution method i.e. press F11 repeatedly for every step and see the result in the small window of "Parallel Port 1".