Assignment 3

**Steps to execute:**

* gcc main.c -lpthread
* ./a.out < filename.txt

In this assignment I used mutex locks and conditional variables in solving the problem of the tunnel admission into the tunnel. I used I/O redirection to input the test cases file from the terminal and output the result onto the terminal.

I tried to be as clear as possible with the output.

I printed the license plate of the vehicle with group number and corresponding car equivalent with the action it performs and the current load after action is performed.

**Sample Input:**

4

HIOFCR  1  0    10

STOL3N  2  3    20

SHKSPR  1 8   30

2DIE4   3 7    5

BYOFCR  1 2    15

**Sample Ouput:**

