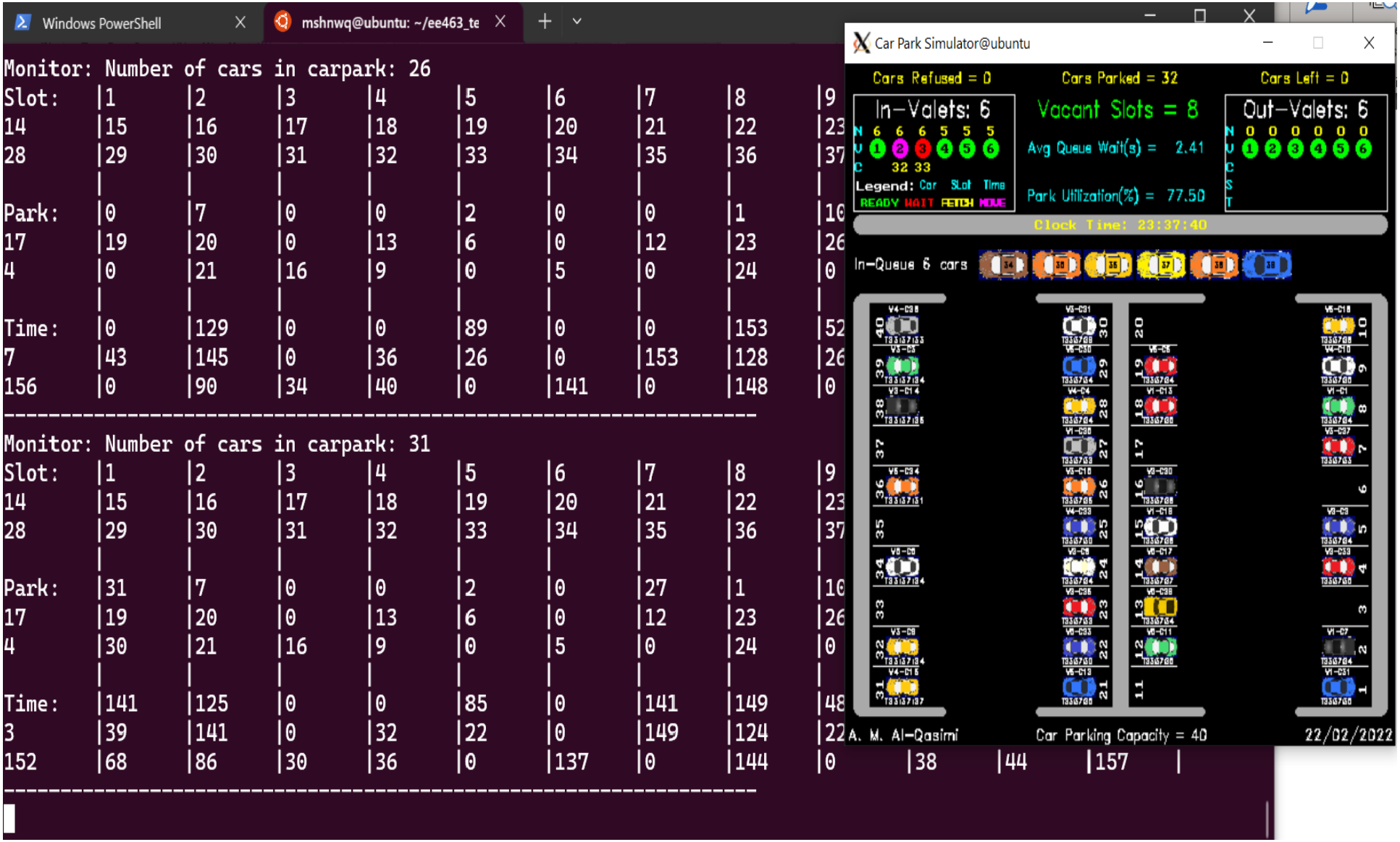
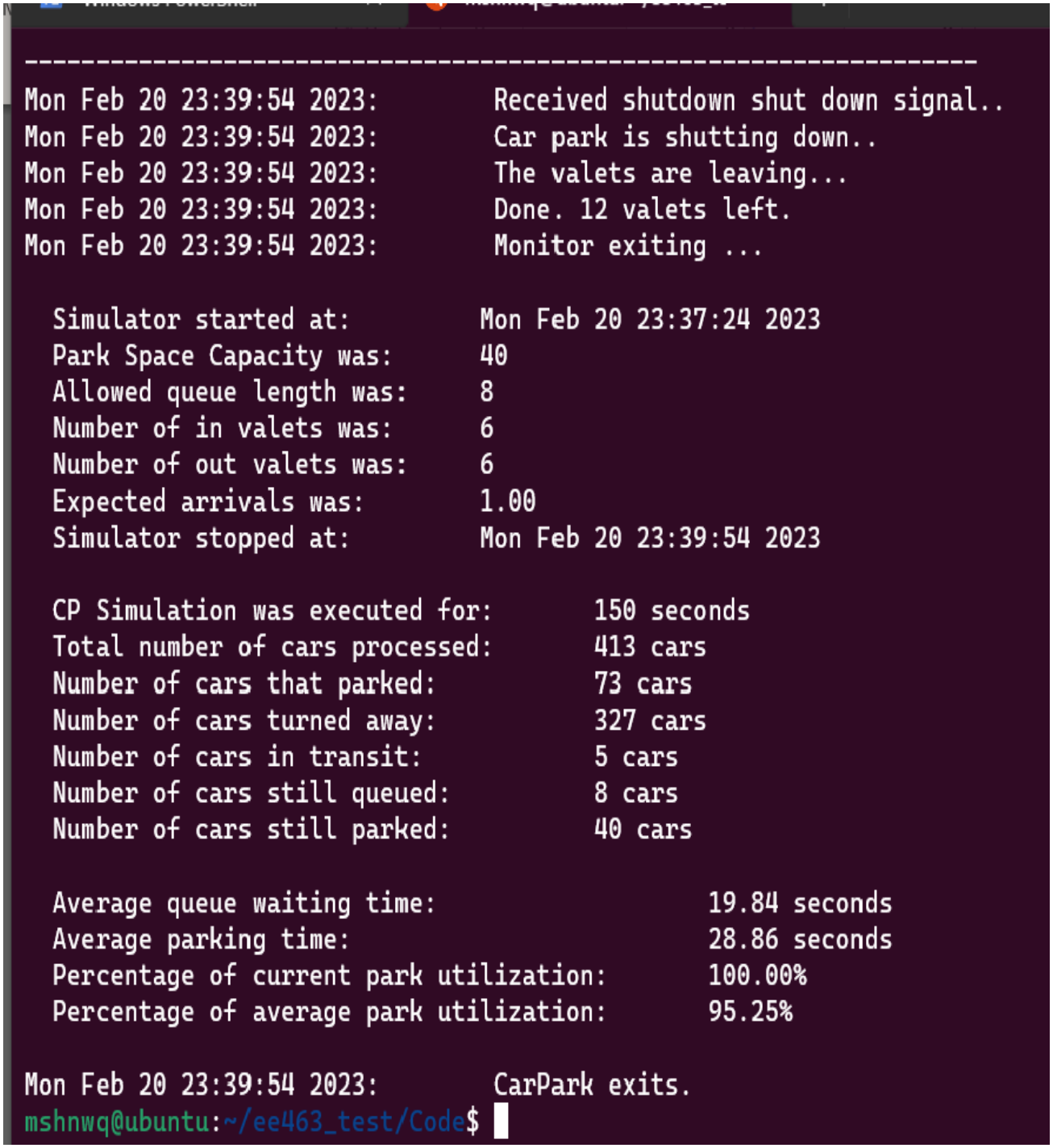
USING DEFAULT ARGS

USING args 50 10 10 10 1

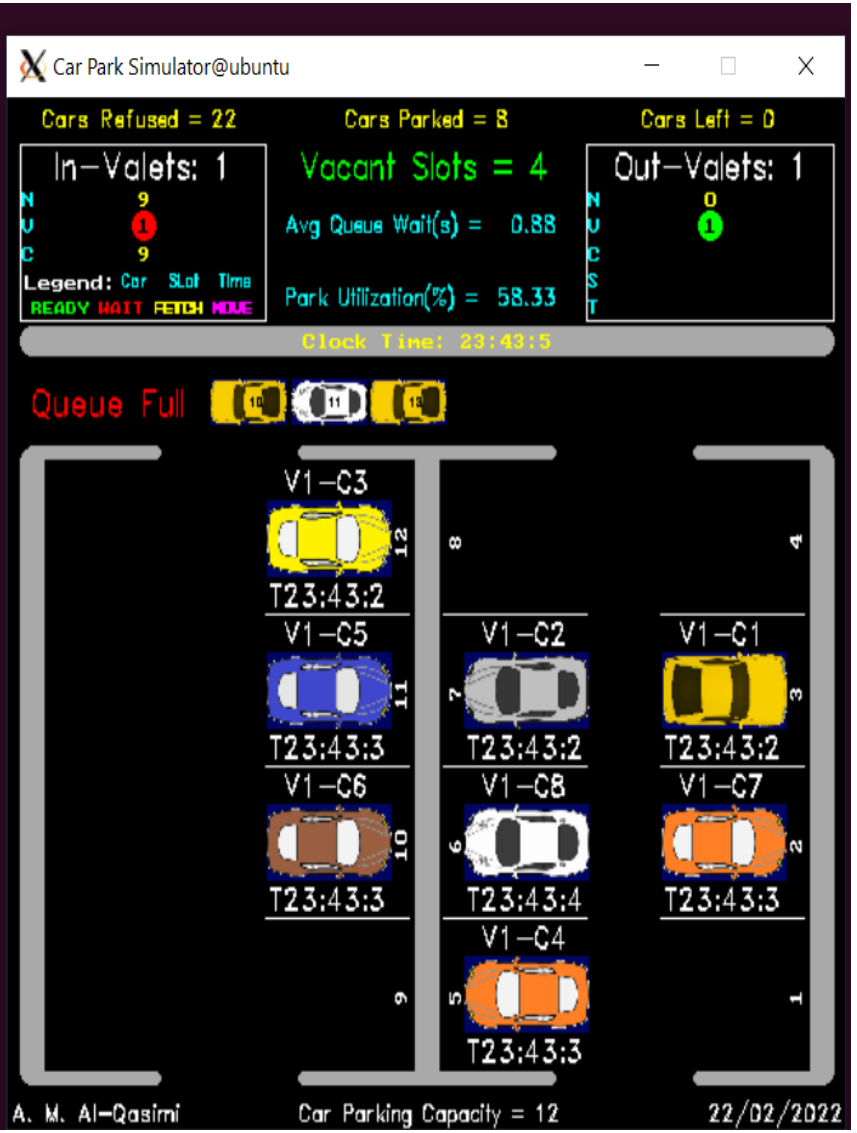
Notice that in defaults to the MAX



Ctrl^C


Mon Feb 20 23:39:54 2023: Received shutdown shut down signal..
Mon Feb 20 23:39:54 2023: Car park is shutting down..
Mon Feb 20 23:39:54 2023: The valets are leaving...
Mon Feb 20 23:39:54 2023: Done. 12 valets left.
Mon Feb 20 23:39:54 2023: Monitor exiting ...
Simulator started at: Mon Feb 20 23:37:24 2023
Park Space Capacity was: 40
Allowed queue length was: 8
Number of in valets was: 6
Number of out valets was: 6
Expected arrivals was: 1.00
Simulator stopped at: Mon Feb 20 23:39:54 2023
CP Simulation was executed for: 150 seconds
Total number of cars processed: 413 cars
Number of cars that parked: 73 cars
Number of cars turned away: 327 cars
Number of cars in transit: 5 cars
Number of cars still queued: 8 cars
Number of cars still parked: 40 cars
Average queue waiting time: 19.84 seconds
Average parking time: 28.86 seconds
Percentage of current park utilization: 100.00%
Percentage of average park utilization: 95.25%
Mon Feb 20 23:39:54 2023: CarPark exits.
mshnwq@ubuntu:~/ee463_test/Code$

USING args 1 1 1 1 0

Notice that in defaults to the MIN

```
mshnwq@ubuntu:~/ee463_test/Code$ ./cp 1 1 1 1 0
Invalid park size. Using Min value 12
Invalid queue size. Using Min value 3
Invalid expected number of cars. Using Min value 0.010000
Car park size: 12
Number of in valets: 1
Number of out valets: 1
Queue size: 3
Expected number of cars: 0.010000
Monitor: Number of cars in carpark: 0
Slot:   |1      |2      |3      |4      |5      |6      |7      |8
        |       |       |       |       |       |       |       |
Park:   |0      |0      |0      |0      |0      |0      |0      |0
        |       |       |       |       |       |       |       |
Time:   |0      |0      |0      |0      |0      |0      |0      |0
------------------------------------------------------------------
Monitor: Number of cars in carpark: 4
Slot:   |1      |2      |3      |4      |5      |6      |7      |8
        |       |       |       |       |       |       |       |
Park:   |0      |0      |1      |0      |4      |0      |2      |0
        |       |       |       |       |       |       |       |
Time:   |0      |0      |75     |0      |33     |0      |5      |0
------------------------------------------------------------------
Monitor: Number of cars in carpark: 7
Slot:   |1      |2      |3      |4      |5      |6      |7      |8
        |       |       |       |       |       |       |       |
Park:   |0      |7      |1      |0      |4      |0      |2      |0
        |       |       |       |       |       |       |       |
Time:   |0      |112    |73     |0      |31     |0      |3      |0
------------------------------------------------------------------
```