

HOW TO RUN THIS CODE

1. compile the code
2. pass 4 arguments with the code name
example: `./main 3 1 2 1`
this will pass available resources value.
3. to request do, just like assignment instruction
example: `RQ 0 3 1 2 1`
this means request customer '0' a '3 1 2 1'
4. type and enter * when you wanna see the current arrays for all values.
5. if you wanna release, do `RL 0 3 1 2 1` just like `RQ` command, asked on assignment.

Example output:

```
Type your available resources: example: './main 3 1 2 1' (when 4 resources)
veenx@Taikis-MacBook-Pro Group Project 3 % ./main 3 1 2 1

Enter command:
RQ <customer> <resources>
RL <customer> <resources>
* to output the values: RQ 0 3 1 2 1
Request satisfied.

Enter command:
RQ <customer> <resources>
RL <customer> <resources>
* to output the values: *

Available Resources:    0    0    0    0

Allocation              MAX              Need
Customer 1    3    1    2    1              6    4    7    3              3    3    5    2
Customer 2    0    0    0    0              4    2    3    2              4    2    3    2
Customer 3    0    0    0    0              2    5    3    3              2    5    3    3
Customer 4    0    0    0    0              6    3    3    2              6    3    3    2
Customer 5    0    0    0    0              5    6    7    5              5    6    7    5

Enter command:
RQ <customer> <resources>
RL <customer> <resources>
* to output the values: RL 0 3 1 2 1
Resources released.

Enter command:
RQ <customer> <resources>
RL <customer> <resources>
* to output the values: RQ 2 1 1 1 1
Request satisfied.

Enter command:
RQ <customer> <resources>
RL <customer> <resources>
* to output the values: *

Available Resources:    2    0    1    0

Allocation              MAX              Need
Customer 1    0    0    0    0              6    4    7    3              6    4    7    3
Customer 2    0    0    0    0              4    2    3    2              4    2    3    2
Customer 3    1    1    1    1              2    5    3    3              1    4    2    2
Customer 4    0    0    0    0              6    3    3    2              6    3    3    2
Customer 5    0    0    0    0              5    6    7    5              5    6    7    5
```