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2043647

Programming Patterns

420-301-VA

Section 01

Assignment 1

1.

```
run:
Input: 1+1
Output: 2

BUILD SUCCESSFUL (total time: 4 seconds)
|
```

```
run:
Input: (2+6*3+5-(3*14/7+2)*5)+3
Output: -12

BUILD SUCCESSFUL (total time: 3 seconds)
|
```

```
run:
Input: 2*(5+5*2)/3+(6/2+8)
Output: 21

BUILD SUCCESSFUL (total time: 3 seconds)
|
```

Part 1 & Part 2:

```
run:
Part 1:
stack: []
Queue: [4, 18, 9, 3, -, /, +]

Part 2:

Queue: [4, 18, 9, 3, -, /, +]
Queue: []
stack: [7]
BUILD SUCCESSFUL (total time: 0 seconds)
```

2. TicTacToe Game:

```
Output - Assignment1 (run) X
run:
| | | |
| | | |
| | | |
Player A
-> Enter row: 1
-> Enter column: 1
| X | | |
| | | |
| | | |
Player B
-> Enter row: 2
-> Enter column: 1
| X | | |
| O | | |
| | | |
Player A
-> Enter row: 2
-> Enter column: 2
| X | | |
| O | X | |
| | | |
Player B
-> Enter row: 3
-> Enter column: 1
| X | | |
| O | X | |
| O | | |
Player A
-> Enter row: 3
-> Enter column: 3
Player A Won!
BUILD SUCCESSFUL (total time: 46 seconds)
```