โจทย์ช้อที่ 1

Js Track the Robot (Part 2)

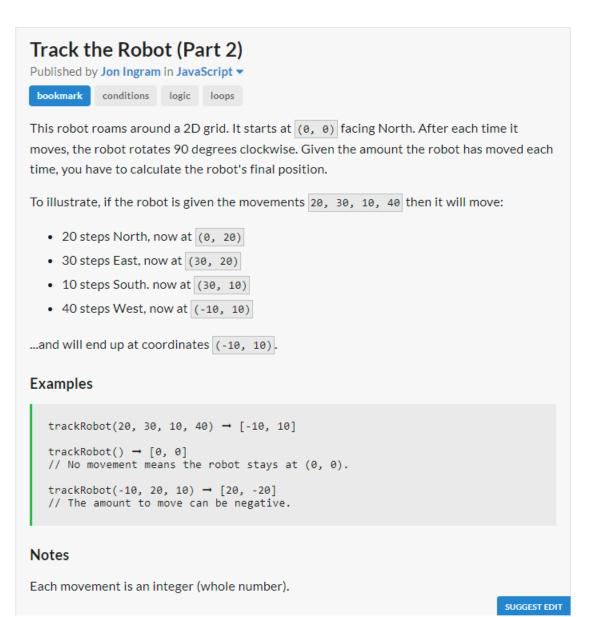
...

This robot roams around a 2D grid. It starts at (0, 0) facing North. After each time it moves, the robot rotates 90 degrees clockwise. Given the amount the robot has moved each time, you have to calculate the robot's final position. To illustrate, if the robot is given the movements 20, 30, 10, 40 then it will move: 20 ste ...

conditions logic loops

Very Hard

introductions



```
assign > JS TrackTheRobot.js > ...
  1 ∨ function trackRobot(...steps) {
           let result = [0,0];
           let Direction = 1;
           for(x=0;x<steps.length;x++){</pre>
               if(Direction===1){
                   result[1]+=steps[x];
               }else if(Direction===2){
                   result[0]+=steps[x];
               }else if(Direction===3){
                   result[1]-=steps[x];
               }else if(Direction===4){
 12
                   result[0]-=steps[x];
                   Direction = 0;
               Direction++;
           return result;
       console.log(trackRobot(20, 30, 10, 40)) //[-10, 10]
 21
       console.log(trackRobot(10, -10, -10, 10)) //[-20, 20]
       console.log(trackRobot()) //[0, 0]
       console.log(trackRobot(1, 2, 3, 4, 5, 6, 7, 8, 9, 10)) //[6, 5]
      console.log(trackRobot(1, 0, 2, 0, 3, 0, 4, 0, 5, 0)) //[0, 3]
       console.log(trackRobot(0, 1, 0, 2, 0, 3, 0, 4, 0, 5)) //[3, 0]
 27
```

Run

```
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> node .\TrackTheRobot.js

[ -10, 10 ]

[ -20, 20 ]

[ 0, 0 ]

[ 6, 5 ]

[ 0, 3 ]

[ 3, 0 ]

PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> []
```