Step 1: Input option of an array by given size, Initial position & orientation of robot and command

Step 2: Create a object to initialize the robot current location in the array/matrix

Step 3: Input data validation check: Such as, boundary, orientation and command are valid.

Step 4: Directions in clockwise: N->E->S->W

Step 5: Change Direction: Robot rotation Left and Right implementation,
  Scenario 1: if the current orientation is S:
  Command R will change it to: S -> W
  Command L will change it to: S -> E

  Scenario 2: if the current orientation is W:
  Command R will change it to: W -> N
  Command L will change it to: W->S

  Scenario 3: if the current orientation is N:
  Command R will change it to: N -> E
  Command L will change it to: N->W

Step 6: Walk forward:

  Based on the directions, the pointer of the array will move, during the moving make sure the array pointer is not crossed array length, if then return an error.

  Array pointer: Robot current position

Step 7: Looping through the commands characters:

  If the character is L or R, go to step 5
  If the character is F, go to step 6
  Else invalid command

Testing: Create more test cases

Documentation: Write down the details of the project.

For example: width:5 and Deep: 5, initial position is 1,2 N