TEST CASES:

TEST	TEST GOAL	INPUT	EXPECTED RESULT	ACTUAL RESULT	PASS/ FAIL
T-1	Check invalid command doesn't break program	“BEANS”	"=> Invalid command"	"=> Invalid command"	PASS
R-1	Check REPORT function doesn't work unless valid PLACE command is given	“REPORT”	"=> Robot not placed"	"=> Robot not placed"	PASS
P-1	Check invalid PLACE function	“PLACE”	"=> Invalid command"	"=> Invalid command"	PASS
P-2	Check PLACE function with valid direction “NORTH”	“PLACE 3,3,NORTH”, “REPORT”	“=> Output: 3, 3, NORTH”	“=> Output: 3, 3, NORTH”	PASS
P-3	Check PLACE function with valid direction “EAST”	“PLACE 3,3,EAST”, “REPORT”	“=> Output: 3, 3, EAST”	“=> Output: 3, 3, EAST”	PASS
P-4	Check PLACE function with valid direction “SOUTH	“PLACE 3,3,SOUTH”, “REPORT”	“=> Output: 3, 3, SOUTH”	“=> Output: 3, 3, SOUTH”	PASS
P-5	Check PLACE function with valid direction “WEST”	“PLACE 3,3,WEST”, “REPORT”	“=> Output: 3, 3, WEST”	“=> Output: 3, 3, WEST”	PASS
P-6	Check PLACE function with invalid direction value	“PLACE 3,3,BEANS”	“=> Invalid command”	“=> Invalid command”	PASS
P-7	Check PLACE invalid X lower value	“PLACE -1,3,NORTH”	“=> Invalid command"	“=> Invalid command”	PASS
P-8	Check PLACE valid X lower value	“PLACE 0,3,NORTH”, “REPORT”	“=> Output: 0, 3, NORTH”	“=> Output: 0, 3, NORTH”	PASS
P-9	Check PLACE valid X upper value	“PLACE 5,3,NORTH”, “REPORT”	“=> Output: 5, 3, NORTH”	“=> Output: 5, 3, NORTH”	PASS
P-10	Check PLACE invalid X upper value	“PLACE 6,3,NORTH”	"=> Invalid command"	“=> Invalid command”	PASS

P-11	Check PLACE invalid Y lower value	“PLACE 3,-1,NORTH”	“=> Invalid command”	“=> Invalid command”	PASS
P-12	Check PLACE valid Y lower value	“PLACE 3,0,NORTH”, “REPORT”	“=> Output: 3, 0, NORTH”	“=> Output: 3, 0, NORTH”	PASS
P-13	Check PLACE valid Y upper value	“PLACE 3,5,NORTH”, “REPORT”	“=> Output: 3, 5, NORTH”	“=> Output: 3, 5, NORTH”	PASS
P-14	Check PLACE invalid Y upper value	“PLACE 3,6,NORTH”, “REPORT”	"=> Invalid command"	“=> Invalid command”	PASS
M-1	Check valid move NORTH direction	PLACE 3,3,NORTH”, “MOVE”, “REPORT	“=> Output: 3, 4, NORTH”	“=> Output: 3, 4, NORTH”	PASS
M-2	Check valid move EAST direction	“PLACE 3,3,EAST”, “MOVE”, “REPORT”	“=> Output: 4, 3, EAST”	“=> Output: 4, 3, EAST”	PASS
M-3	Check valid move SOUTH direction	“PLACE 3,3,SOUTH”, “MOVE”, “REPORT”	“=> Output: 3, 2, SOUTH”	“=> Output: 3, 2, SOUTH”	PASS
M-4	Check valid move WEST direction	“PLACE 3,3,WEST”, “MOVE”, “REPORT”	“=> Output: 2, 3, WEST”	“=> Output: 2, 3, WEST”	PASS
M-5	Check North bounds	“PLACE 5,5,NORTH”, “MOVE”, “REPORT”	“=> Output: 5, 5, NORTH”	“=> Output: 5, 5, NORTH”	PASS
M-6	Check East bounds	“PLACE 5,5,EAST”, “MOVE”, “REPORT”	“=> Output: 5, 5, EAST”	“=> Output: 5, 5, EAST”	PASS
M-7	Check South bounds	“PLACE 0,0,SOUTH”, “MOVE”, “REPORT”	“=> Output: 0, 0, SOUTH”	“=> Output: 0, 0, SOUTH”	PASS

M-8	Check West bounds	“PLACE 0,0,WEST”, “MOVE”, “REPORT”	“=> Output 0, 0, WEST”	“=> Output 0, 0, WEST”	PASS
L-1	Check North > West LEFT rotation	“PLACE 3,3,NORTH”, “LEFT”, “REPORT”	“=> Output 3, 3, WEST”	“=> Output 3, 3, WEST”	PASS
L-2	Check West > South LEFT rotation	“PLACE 3,3,WEST”, “LEFT”, “REPORT”	“=> Output 3, 3, SOUTH”	“=> Output 3, 3, SOUTH”	PASS
L-3	Check South > East LEFT rotation	“PLACE 3,3,SOUTH”, “LEFT”, “REPORT”	“=> Output 3, 3, EAST”	“=> Output 3, 3, EAST”	PASS
L-4	Check East > North LEFT rotation	“PLACE 3,3,EAST”, “LEFT”, “REPORT”	“=> Output 3, 3, NORTH”	“=> Output 3, 3, NORTH”	PASS
R-1	Check North > East RIGHT rotation	“PLACE 3,3,NORTH”, “RIGHT”, “REPORT”	“=> Output 3, 3, EAST”	“=> Output 3, 3, EAST”	PASS
R-2	Check East > South RIGHT rotation	“PLACE 3,3,EAST”, “RIGHT”, “REPORT”	“=> Output 3, 3, SOUTH”	“=> Output 3, 3, SOUTH”	PASS
R-3	Check South > West RIGHT rotation	“PLACE 3,3,SOUTH”, “RIGHT”, “REPORT”	“=> Output 3, 3, WEST”	“=> Output 3, 3, WEST”	PASS
R-4	Check West > North RIGHT rotation	“PLACE 3,3,WEST”, “RIGHT”, “REPORT”	“=> Output 3, 3, NORTH”	“=> Output 3, 3, NORTH”	PASS