

QUIZ 8

COMP9021 PRINCIPLES OF PROGRAMMING

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$ python3
>>> from quiz_8 import *
>>> DarkCorridor(-1)
...
quiz_8.DarkCorridorError: The length of the corridor should be strictly positive
>>> DarkCorridor(0)
...
quiz_8.DarkCorridorError: The length of the corridor should be strictly positive
>>> corridor = DarkCorridor(3)
>>> corridor
DarkCorridor(3)
>>> print(corridor)
□ □ □
>>> applicant_1 = Pacer('John', corridor)
>>> applicant_1
Pacer('John', DarkCorridor(3))
>>> print(applicant_1)
John in □ □ □
>>> applicant_1.now_here_in_dark_corridor()
▶ □ □
>>> applicant_1.pace(1)
>>> applicant_1.now_here_in_dark_corridor()
□ ▶ □
>>> applicant_1.pace(1)
>>> applicant_1.now_here_in_dark_corridor()
□ □ ▶
>>> applicant_1.pace(1)
>>> applicant_1.now_here_in_dark_corridor()
□ □ ◀
>>> applicant_1.pace(1)
>>> applicant_1.now_here_in_dark_corridor()
□ ◀ □
>>> applicant_1.pace(1)
>>> applicant_1.now_here_in_dark_corridor()
◀ □ □
>>> applicant_1.pace(1)
>>> applicant_1.now_here_in_dark_corridor()
▶ □ □
```

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>>> applicant_1.pace(2)
>>> applicant_1.now_here_in_dark_corridor()
  □ □ ▶
>>> applicant_1.pace(2)
>>> applicant_1.now_here_in_dark_corridor()
  □ ◀ □
>>> applicant_1.pace(2)
>>> applicant_1.now_here_in_dark_corridor()
  ▶ □ □
>>> applicant_1.pace(3)
>>> applicant_1.now_here_in_dark_corridor()
  □ □ ◀
>>> applicant_1.pace(3)
>>> applicant_1.now_here_in_dark_corridor()
  ▶ □ □
>>> applicant_1.pace(4)
>>> applicant_1.now_here_in_dark_corridor()
  □ ◀ □
>>> applicant_1.pace(4)
>>> applicant_1.now_here_in_dark_corridor()
  □ □ ▶
>>> applicant_1.pace(10)
>>> applicant_1.now_here_in_dark_corridor()
  ▶ □ □
>>> applicant_2 = Pacer('Helen', corridor)
>>> print(applicant_2)
Helen in  □ □ □
>>> applicant_2.now_here_in_dark_corridor()
  ▶ □ □
>>> applicant_2.pace(36)
>>> compare_stress(applicant_1, applicant_2)
John and Helen are both as stressed (36 steps).
>>> longer_corridor = DarkCorridor(8)
>>> longer_corridor
DarkCorridor(8)
>>> print(longer_corridor)
  □ □ □ □ □ □ □ □
>>> applicant_3 = Pacer('Jim', longer_corridor)
>>> applicant_3
Pacer('Jim', DarkCorridor(8))
>>> applicant_3.pace(13)
>>> applicant_3.pace(4)
>>> applicant_3.now_here_in_dark_corridor()
  □ ▶ □ □ □ □ □ □
>>> compare_stress(applicant_3, applicant_1)
John (36 steps) is more stressed than Jim (17 steps).
>>> print(applicant_1)
John in  □ □ □

```