

```

1  from threading import Thread
2
3  from pybricks.tools import wait
4
5
6  # Class contains two forklifts
7  class DoubleForklift:
8      def __init__(self, config, xlift, ylift):
9          self.config = config
10         self.xlift = xlift
11         self.ylift = ylift
12
13     def getPos(self):
14         return [self.xlift.getPos(), self.ylift.getPos()]
15
16     def stop(self):
17         self.xlift.stop()
18         self.ylift.stop()
19
20     def initPos(self, xpos=0, ypos=None, Wait=3000):
21         if self.config.state.getState() == 3:
22             return
23
24         if ypos == None:
25             ypos = -self.ylift.RACKLENGTH/2
26         Thread(target=self.xlift.initPos, args=(xpos)).start() # type: ignore
27         Thread(target=self.ylift.initPos, args=(ypos)).start()
28         wait(50)
29         while self.done() == False and Wait > 0:
30             wait(50)
31
32     def moveTo(self, x, y, x_speed=400, y_speed=400, Wait=10000):
33         if self.config.state.getState() == 3:
34             return
35
36         Thread(target=self.xlift.moveTo, args=(
37             x, x_speed), kwargs={"wait": Wait}).start()
38         Thread(target=self.ylift.moveTo, args=(
39             y, y_speed), kwargs={"wait": Wait}).start()
40         while Wait and not self.done() and self.config.state.getState() != 3:
41             wait(50)
42
43     def move(self, delta_y, delta_x, x_speed=400, y_speed=400, Wait=10000):
44         if self.config.state.getState() == 3:
45             return
46
47         self.xlift.move(delta_x, x_speed, wait=0)
48         self.ylift.move(delta_y, y_speed, wait=Wait)
49         while Wait and not self.done() and self.config.state.getState() != 3:
50             wait(50)
51
52     def done(self):
53         return self.xlift.done() and self.ylift.done()
54
55     def stalled(self):
56         return self.xlift.stalled() and self.ylift.stalled()
57
58     def printRange(self):
59         print("xlift: min {}, max {}".format(self.xlift.getRange()[0],
60             self.xlift.getRange()[1]))
61         print("ylift: min {}, max {}".format(self.ylift.getRange()[0],
62             self.ylift.getRange()[1]))
63

```