```
exe" "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --mode=client --port=19381
3
   import sys; print('Python %s on %s' % (sys.version, sys.platform))
   01_My_Python_Code'])
 5
6
   PyDev console: starting.
   Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
8
  code/01 My Python Code')
  Backend TkAgg is interactive backend. Turning interactive mode on.
12
13
   This is the R_8_9 _standerd_test.xlsx optimization results solved by Gurobi
15
   Set parameter TimeLimit to value 1200
   Set parameter MIPGap to value 0.005
16
17
18
19
20 Problem status = 9, is NOT Optimal
21
   Problem has 2 objectives
   Gurobi found 4 solutions
23
24
     Solution 0:
25
       Obj 0 = 3.0
26
       Obi 1 = 6.0
27
     Solution 1:
28
       Obj 0 = 4.0
29
       Obj 1 = 8.0
30
     Solution 2:
31
       Obj 0 = 7.0
       Obj 1 = 10.0
32
33
     Solution 3:
34
       Obi 0 = 36.0
       Obj 1 = 204.26086956521794
35
36
37
38
39
   Final solution:
40
     Obj0 = 2.0
     Obj1 = 6.0
41
     Total movement of crane: 0.0
42
43
     Total duration time in berth position: 11.0
44
     Total index of q during berthing: 371.0
45
46
     Specific arrangement:
47
       V_id: 0 li: 8.0 xi: 21.4 bow of i: 17.4 tail of i: 25.4 gama_i0: 2.0 gama_i1: 3.0 duration_time_i: 1.0 demand_i: 60 work load_i: 60.0
48
       V id: 1 li: 7.0 xi: 6.5 bow of i: 3.0 tail of i: 10.0 gama io: -0.0 gama i1: 1.0 duration time i: 1.0 demand i: 60 work load i: 60.0
       V_id: 2 li: 9.0 xi: 22.8 bow of i: 18.3 tail of i: 27.3 gama_i0: -0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 80 work load_i: 80.0
49
50
       V_id: 3 li: 9.0 xi: 12.5 bow of i: 8.0 tail of i: 17.0 gama_i0: 1.0 gama_i1: 2.0 duration_time_i: 1.0 demand_i: 140 work load_i: 140.0
       Vid: 4 li: 5.0 xi: 5.5 bow of i: 3.0 tail of i: 8.0 gama i0: 1.0 gama i1: 3.0 duration time i: 2.0 demand i: 80 work load i: 80.0
51
       V id: 5 li: 9.0 xi: 12.9 bow of i: 8.4 tail of i: 17.4 gama i0: 2.0 gama i1: 3.0 duration time i: 1.0 demand i: 60 work load i: 60.0
52
       V_id: 6 li: 3.0 xi: 1.5 bow of i: 0.0 tail of i: 3.0 gama_i0: -0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 120 work load_i: 120.0
53
54
       V_id: 7 li: 8.0 xi: 14.0 bow of i: 10.0 tail of i: 18.0 gama_i0: -0.0 gama_i1: 1.0 duration_time_i: 1.0 demand_i: 80 work load_i: 80.0
55
   Finished and CPU Time: 1260.000000
57
59
60
61
```