```
1
                                                     1
2
     File Name: lines1a.py
                                                          File Name: lines1a.py
                                                     2
3
                                                     3
4
     This draws several lines in quadrant 1.
                                                         This draws several lines in quadrant 1.
                                                     4
5
                                                     5
6
7
     Auther: Mr. Dagler
                                                     6
                                                          Auther: Mr. Dagler
                                                     7
8
                                                     8
9
                                                     9
     import numpy as np
                                                          import numpy as np
10
     import matplotlib.pvplot as plt
                                                          import matplotlib.pvplot as plt
                                                    10
11
                                                    11
                                                    12
12
     #Setting up the graph
                                                         #Setting up the graph
13
     ax = plt.gca()
                                                    13
                                                          ax = plt.qca()
14
     ax.set xlim([0,10])
                                                    14
                                                          ax.set xlim([0,10])
15
     ax.set ylim([0,10])
                                                    15
                                                          ax.set ylim([0,10])
16
     ax.set xticks(np.arange(0,10))
                                                    16
                                                          ax.set xticks(np.arange(0,10))
17
     ax.set yticks(np.arange(0,10))
                                                    17
                                                          ax.set yticks(np.arange(0,10))
18
     ax.set aspect(1)
                                                    18
                                                          ax.set aspect(1)
19
                                                    19
20
     #Plotting the lines in quadrant 1.
                                                    20
                                                          #Plotting the lines in quadrant 1.
21
     plt.plot([0, 10], [1, 0],
                                                    21
                                                          plt.plot([0, 10], [1, 0],
22
     plt.plot([0, 9], [2, 0],
                                                    22
                                                          plt.plot([0, 9], [2, 0],
23
     plt.plot([0, 8], [3, 0],
                                                    23
                                                          plt.plot([0, 8], [3, 0],
                                                    24
                                                          plt.plot([0, 7], [4,
24
     plt.plot([0, 7], [4,
25
     plt.plot([0, 6], [5,
                                                    25
                                                          plt.plot([0, 6], [5,
26
     plt.plot([0, 5], [6,
                                                    26
                                                          plt.plot([0, 5], [6,
27
                                                    27
     plt.plot([0, 4], [7,
                                                          plt.plot([0, 4], [7,
28
     plt.plot([0, 3], [8, 0],
                                                    28
                                                          plt.plot([0, 3], [8, 0],
29
     plt.plot([0, 2], [9, 0],
                                                    29
                                                          plt.plot([0, 2], [9, 0],
     plt.plot([0, 1], [10, 0], 'm-')
                                                          plt.plot([0, 1], [10, 0], 'm-')
30
                                                    30
31
                                                    31
32
     plt.show()
                                                    32
                                                          plt.show()
```