```
import numpy as np
3
     0.00
     Lakota Dolce
 5
     Lab 1
 6
     11 11 11
     firstq = np.array([3,8,13,18,37,43])
8
9
     print("1a: ", firstq[4])
10
     print()
11
12
     secondq = np.array([[10,20,30,40],[60,70,80,9])
13
     print(secondq[1][1])
14
     print()
15
16
     x = np.arange(5, 81, 1)
     print("1b: ", x)
17
18
     print()
19
     y = np.arange(2.5, 100.5, .5)
20
     print("1c: ", y)
21
     print()
22
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23
24
     z = np.arange(100, 0, -1)
     print("1d: ", z)
25
     print()
26
27
28
     a = np.linspace(1,1,15, dtype=int)
29
     print("le: ", a)
30
31
     b = np.linspace(7,7,13, dtype=int)
     print("1f: ", b)
32
33
     identity = np.array([[1,0],
34
35
                           [0,1]])
     print("lg: ", np.asmatrix(identity))
36
37
     print()
38
     zeromatrix = np.array([[0, 0, 0],
39
40
                             [0, 0, 0],
41
                             [0, 0, 0]]
     print("1h: ", np.asmatrix(zeromatrix))
42
43
     print()
44
     print("1j: Identity: ", identity.shape)
45
46
     print()
47
     print("Zero Matrix:", zeromatrix.shape)
48
```

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1a:
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1b:
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1e:
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1f:
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1g:
 [0 1]]
1h: [[0 0 0]
 [0 \ 0 \ 0]
 [0 0 0]]
     [1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1\ 1]
     [7777777777777777]
1f:
lg: [[1 0]
[0 1]]
1h: [[0 0 0]
 [0 0 0]
 [0 0 0]]
1j: Identity:
                 (2, 2)
Zero Matrix: (3, 3)
```