Write the output of the code?

1. a = [0, 5, 10, 15, 20, 25, 30, 35, 40, 45]

|  |  |  |
| --- | --- | --- |
|  | print(a[0:7:1]) |  |
|  | print(a[0:7:2]) |  |
|  | print(a[0:7]) |  |
|  | print(a[2:7:1]) |  |
|  | print(a[7:2:1]) |  |
|  | print(a[:7:1]) |  |
|  | print(a[5::1]) |  |
|  | print(a[:-5:-1]) |  |
|  | print(a[-5::-1]) |  |
|  | print(a[5:-1:1]) |  |
|  | print(a[-1:5:-1]) |  |

1. a = [10, 20, [30, 40, 50], 60]

|  |  |  |
| --- | --- | --- |
|  | print(a) |  |
|  | print(a[2]) |  |
|  | print(a[2][0]) |  |
|  | print(a[2][1]) |  |

1. a = [1, 2, 3, 4, 5, 2, 6, 7, 2, 8]

|  |  |  |
| --- | --- | --- |
|  | print(a.count(2)) |  |
|  | a.remove(3)  print(a) |  |
|  | a.insert(4, 9)  print(a) |  |
|  | a.reverse()  print(a) |  |
|  | a.sort()  print(a) |  |
|  | a.sort(reverse=True)  print(a) |  |

1. a = [1, 2, 3]

|  |  |  |
| --- | --- | --- |
|  | a.append(4)  print(a) |  |
|  | a.append([5, 6])  print(a) |  |
|  | print(a.extend([7, 8, 9]) |  |