1. Below elements are in order,
2. The time complexity is of each line of code is below for each question. Indentation is preserved.
3. def exercise1(N):

O(N):

O(N):

O(1)

O(N):

O(1)

The total time complexity will be,

1. def exercise2(N):

O(1)

O(1)

O(log(N)):

O(log(N)):

O(1)

O(1)

The total time complexity will be,

1. def exercise3(arr):

O(1)

O(N):

O(N):

O(log(N))

O(N^2)

The total time complexity will be,

1. def exercise4(L):

O(1)

O(1)

O(N^2):

O(1)

O(N^2\*log(N^2))

The total time complexity will be,

1. def exercise5(arr, N):

O(1)

O(log(N)):

O(log(N))

O(1)

The total time complexity will be,