```
O(0)
O(5)
O(2/N)?
O(log N)
O(N^{(1/2)})
O(NM) - O(N)
O(N<sup>1</sup>.5)
O(N<sup>2</sup>)
O(N^4)
O(2<sup>N</sup>)
O(infinity)
i)
       Sum is incremented by one for n times therefore O(N)
ii)
       Sum is incremented by one for n times, n times, therefore O(N * N) = O(N^2)
iii)
       Sum is incremented by one for i times, n times. This comes out to
               1 + 2 + 3 + \dots + n = O(N(N+1)/2)
iv)
       Sum is incremented by (N * N), (N * N) times therefore
               (N*N)*(N*N) = O(N^4)
```