2.2-1 - Express the function $\frac{n^3}{1000} - 100n^2 - 100n + 3$ in terms of Θ notation.

$\Theta(n^3)$

2.2-2' - Write pseudocode for SELECTION SORT.

SELECTION SORT(A):

```
1   for cur = 0 to A.length:
2       small = A[cur]
3       index = cur
4       for k = cur + 1 to A.length:
5           if A[k] < small:
6               small = A[k]
7               index = k
8       temp = A[cur]              // Swap the values
9       A[cur] = small
10      A[index] = temp
```