

5) (10 pts) ALG (Sorting)

Write the code for any one of the following $O(n^2)$ sorts: Bubble Sort, Insertion Sort, Selection Sort in a single function below. Your code should sort the array from smallest to largest. (Namely, after your code finishes $\text{array}[i] \leq \text{array}[i+1]$ for all i , $0 \leq i < \text{length}-1$.) Please provide the name of the sort you are choosing to implement and fill in the function prototype below, making sure not to add any additional functions.

Sort implemented below (circle choice): Bubble Sort Insertion Sort Selection Sort

```
void sort(int* array, int length) {
```

```
}
```