```
#ifndef SORTING_ALGORITHMS_H
#define SORTING_ALGORITHMS_H

/**
 * @brief Perform Bubble Sort on the given array.
 *
 * @param arr The array to be sorted.
 * @param n The number of elements in the array.
 */
void bubbleSort(int arr[], int n);

/**
 * @brief Perform Insertion Sort on the given array.
 *
 * @param arr The array to be sorted.
 * @param n The number of elements in the array.
 */
void insertionSort(int arr[], int n);

/**
 * @brief Perform Selection Sort on the given array.
 *
 * @param arr The array to be sorted.
 * @param n The number of elements in the array.
 */
void selectionSort(int arr[], int n);

/**
 * @brief Perform Quicksort on the given array within the specified range.
 *
 * This function sorts the elements in the array `arr` from index `low` to index `high`.
 *
 * @param arr The array to be sorted.
 * @param low The starting index of the range to be sorted.
 * @param high The ending index of the range to be sorted.
 */
void quicksort(int arr[], int low, int high);

#endif // SORTING_ALGORITHMS_H
```