CS201-01-22F: Programming In C++ (Andrew A. Poe)
Practice Quiz 5   Wednesday 5 October 2022 11:00 A.M. EDT

Time: 15 minutes.

Write the following method (not a whole program):

```
void MoveSmallestToFront(int *A, int
Alen);
```

This method finds the smallest integer in the array and makes it the first element of the array, moving the intervening elements down. For example, if the array were {4,8,1,0,4}, the array would become {0,4,8,1,4}.

```cpp
void MoveSmallestToFront (int *A, int
Alen) {

 int sp=0;
 for (int i=1; i < Alen; i++)
  if (A[i] < A[sp]) sp = i;
 int t = A[sp];
 for (int i=sp; i >= 1; i--)
  A[i] = A[i-1];
 A[0] = t;
}
```