**Pseudo Code**

DisplayMultiple(A[n], x) {

Input: Array of size n of integers, integer x

Output: index and value which is a multiple of x

For (i =0, i < length of A, i++) {

If(A[i] mod x == 0) Print(index i and value A[i]);

}

}

* 1. The design implements a simple for loop to iterate through the array to find the multiples of x.
  2. This algorithm runs in O(n), as the array will be iterated through a maximum of once.
  3. The algorithm runs in , as n also represents the lower bound of the function runtime.
  4. The space complexity is of as the function does not implement any stack, recursive function call or other ADT requiring additional space.



**Pseudo Code**

DisplayMultipleStack()