

Assignment

Question-1

Given an integer k and an array of integers arr , the task is to find the sum and product of k smallest and k largest composite numbers in the array. Assume that there are at least k composite numbers in the array.

Input: $arr[] = \{2, 5, 6, 8, 10, 11\}$, $k = 2$

Output: Sum of k -minimum composite numbers is 14

Sum of k -maximum composite numbers is 18

Product of k -minimum composite numbers is 48

Product of k -maximum composite numbers is 80

$\{6, 8, 10\}$ are the only composite numbers from the array. $\{6, 8\}$ are the 2 smallest and $\{8, 10\}$ are the 2 largest among them.