

Unsorted Array: Subset Problems and Queries

1. Given an unsorted integer array A and a value X, check if there exists a subset of A of size two that adds up to X (Subset sum for a pair).
2. Given an unsorted integer array A and a value X, print the indices of the values that adds up to X.
3. Given an unsorted integer array A and a value X, print the pair of elements that adds up to X.
4. Given an unsorted integer array A and a value X, find the pair of elements whose sum is closest to X and print their values.
5. Given an unsorted integer array A and a value X, check if there exists a subset of A of size 3 that adds up to X.
6. Given an unsorted integer array A and Q queries, where each query will be a pair of indices l and r and you must find the sum of all the elements between l and r.
7. Given an unsorted integer array A and Q queries, where each query will be an index i, and you must find the maximum value in the given array till index i.
8. Given an unsorted integer array A and Q queries, where each query will be an index i, and you must find the minimum value in the given array till index i.