

# ISTE DSA Summer School Week 2 Assignment

1. Create an empty set (C++) / HashSet (Java) of integers. Add a few elements to the collection and print all elements currently in it. Then, check if a certain element(key) exists within the collection. If it does, print "Found"; otherwise, print "Not found".
2. Use HashMap to count the frequency of elements in an array:  
<https://www.geeksforgeeks.org/problems/frequency-of-array-elements-1587115620/0>
3. Given two arrays keys [] and arr [] of size N and a key S. Each keys[i] and arr[i] form a key-value pair. Find if the key S is present in the array keys []; if present print its value else print -1.

Sample Input : n = 4

keys = {csdb, dsh, askj, adfs}

arr = {4, 5, 8, 9}

S = askj

**Use recursion to solve the below problems:**

4. Print numbers from 1 to N.
5. Given an integer N. Print the Fibonacci series up to the Nth term.
6. Find the sum of first N numbers.
7. Check if a string is palindrome or not.