QUESTION 1-J

#include <iostream>

using namespace std;

int getMissingNumber(int arr[], int n) {

//get total if the missing number is presented.

int arrtotal = (n + 1) \* (n + 2) / 2;

for (int i = 0; i < n; i++) {

// decerement til the end of the array

arrtotal -= arr[i];

}

return arrtotal;

}

int main()

{

int arr[] = { 1, 2, 3, 5, 6, 7 };

int arrsize = sizeof(arr) / sizeof(arr[0]);

int miss = getMissingNumber(arr, arrsize);

cout << "given array :";

for (int i = 0; i < arrsize; i++) {

cout << arr[i] << ",";

}

cout << endl;

cout << "the missing number is: " << miss << endl;

}