

### Problem:5

Given an array of n integers. The task is to print the duplicates in the given array. If there are no duplicates then print -1.

Ans:

Code:

```
#include <stdio.h>

void printDuplicates(int arr[], int n) {
    int foundDuplicate = 0;

    int visited[n];

    for (int i = 0; i < n; i++) {
        visited[i] = 0;
    }

    for (int i = 0; i < n; i++) {
        if (visited[i] == 0) {
            for (int j = i + 1; j < n; j++) {
                if (arr[i] == arr[j]) {
                    visited[j] = 1;

                    foundDuplicate = 1;
                }
            }

            if (foundDuplicate) {
                printf("%d ", arr[i]);
            }
        }
    }

    if (!foundDuplicate) {
        printf("-1\n");
    } else {
        printf("\n");
    }
}

int main() {
    int arr[] = {2, 10, 10, 100, 2, 10, 11, 2, 11, 2};

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

    printf("Duplicates in the array: ");

    printDuplicates(arr, n);

    return 0;
}
```