Day – 52 of #101 days of coding challenge--------

Problem:- Given a list of integers, count and return the number of times each value appears as an array of integers.

Code:-

```cpp
vector<int> countingSort(vector<int> arr) {

    vector<int> ans;
    for (int i=0; i<100; i++) {
    ans.push_back(0);        //initializes array to 0 elements
 }

for(int item : arr) {
    ans[item]++;
}

return ans;
}
```

Output:-