# **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

## **Experiment-1.6**

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Branch: BE-CSE Section/Group:20BCS\_DM-708B

Semester: 6<sup>th</sup> Subject Name: Competitive Coding-II

**Subject Code: 20CSP-351** 

**AIM:** To demonstrate the concept of Graph.

Problem1: Gray Code

https://leetcode.com/problems/gray-code/

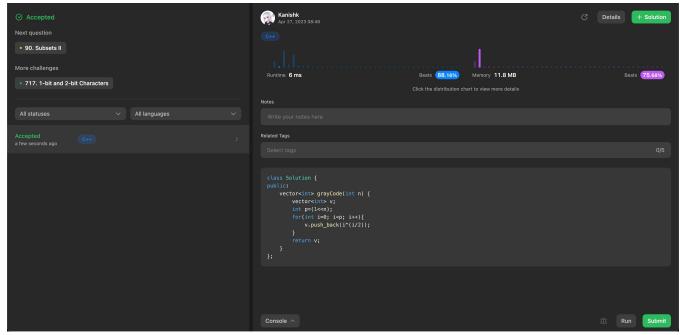
#### **Program Code:**

```
class Solution {
public:
    vector<int> grayCode(int n) {
        vector<int> v;
        int p=(1<<n);
        for(int i=0; i<p; i++){
            v.push_back(i^(i/2));
        }
        return v;
    }
};</pre>
```

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## **Output:**



#### Probem2: Find the Difference

https://leetcode.com/problems/find-the-difference/

## **Program Code:**

```
class Solution {
public:
    char findTheDifference(string s, string t) {
        for(int i=0;i<s.size();i++)
            t[i+1]+=t[i]-s[i];
        return t[t.size()-1];
    }
};</pre>
```

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## **Output:**

