Experiment 2.3

Student Name: Saumyamani Bhardwaz   **UID:** 20BCS1682
Branch: BE-CSE   **Section/Group:** 701/A
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Subject Name: Competitive Coding-II   **Subject Code:** 20CSP-351

Aim: To demonstrate the concept of Divide and Conquer

717. 1-bit and 2-bit Characters

```cpp
class Solution {
public:
    bool isOneBitCharacter(vector<int>& bits)
    {
        int i=0;
        while(i<bits.size())
        {
            if(i==bits.size()-1)
                return true;

            i=(bits[i]==1) ? i+2 : i+1;
        }
        cout<<"Saumyamani Bhardwaz_20BCS1682"<<endl;
        return false;
    }
};
```

Output:

771. Jewels and Stones

```cpp
class Solution {
public:
    int numJewelsInStones(string jewels, string stones) {
        int count = 0;
        for(char ch1 : jewels){
            for(char ch2 : stones){
                if(ch1 == ch2)
                    count++;
            }
        }
        cout<<"Saumyamani Bhardwaz_20BCS1682"<<endl;
        return count;
    }
};
```

Output:

Testcase   Result

Accepted   Runtime: 3 ms

• Case 1   • Case 2

Input

jewels =
"aA"

stones =
"aAAbbbb"

Stdout

Saumyamani Bhardwaz_20BCS1682

Output

3

Expected

Console ⌄   Run   Submit