DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

Experiment-7

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Branch: BE-CSE Section/Group:20BCS_DM-708B

Semester: 6th Subject Name: Competitive Coding-II

Subject Code: 20CSP-351

AIM: To demonstrate the concept of Divide and conquer.

Problem1: Count and Say

https://leetcode.com/problems/count-and-say/

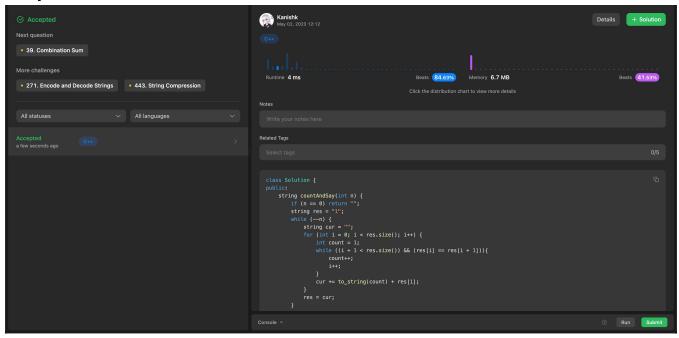
Program Code:

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```
res = cur;
}
return res;
}
};
```

Output:



Probem2: Water and Jug Problem

https://leetcode.com/problems/water-and-jug-problem/

Program Code:

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```
if(targetCapacity > jug1Capacity + jug2Capacity)
{
    return false;
}
else
{
    int g = gcd(jug1Capacity,jug2Capacity);
    return targetCapacity % g == 0;
}
}
```

Output:

