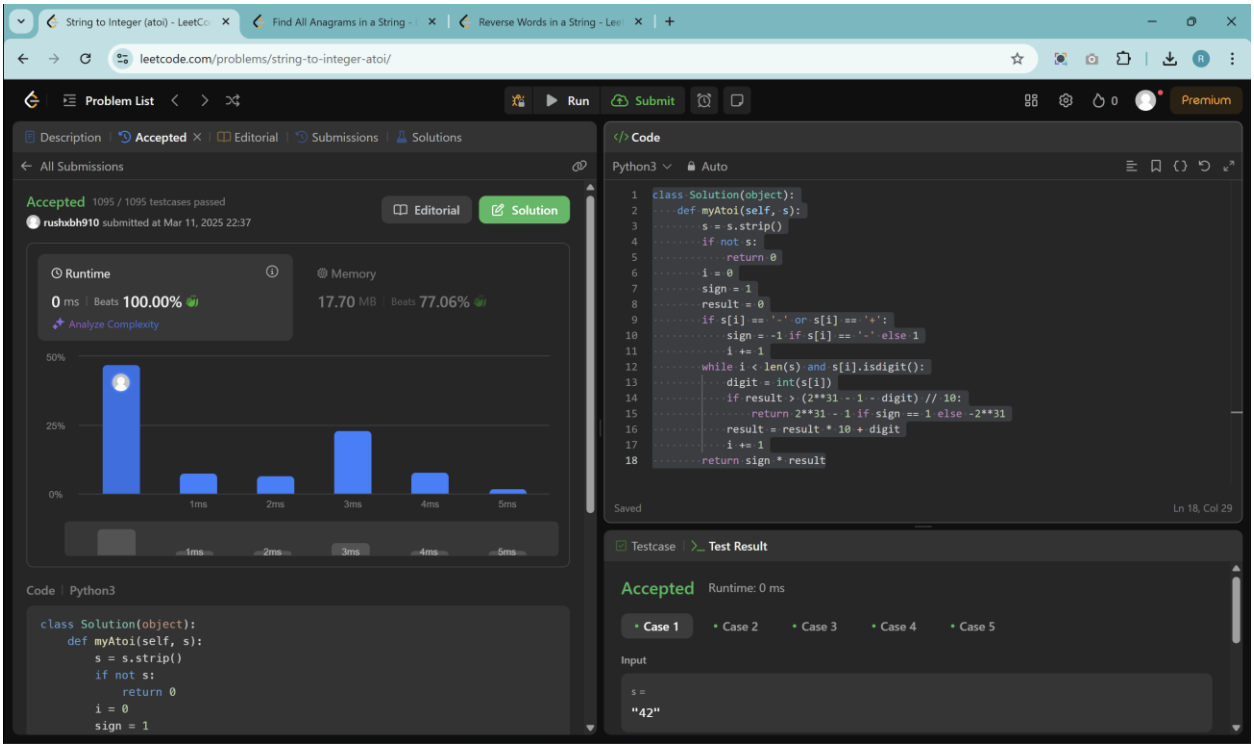
WEEK-2

Leetcode Bootcamp

Q1.

Code:

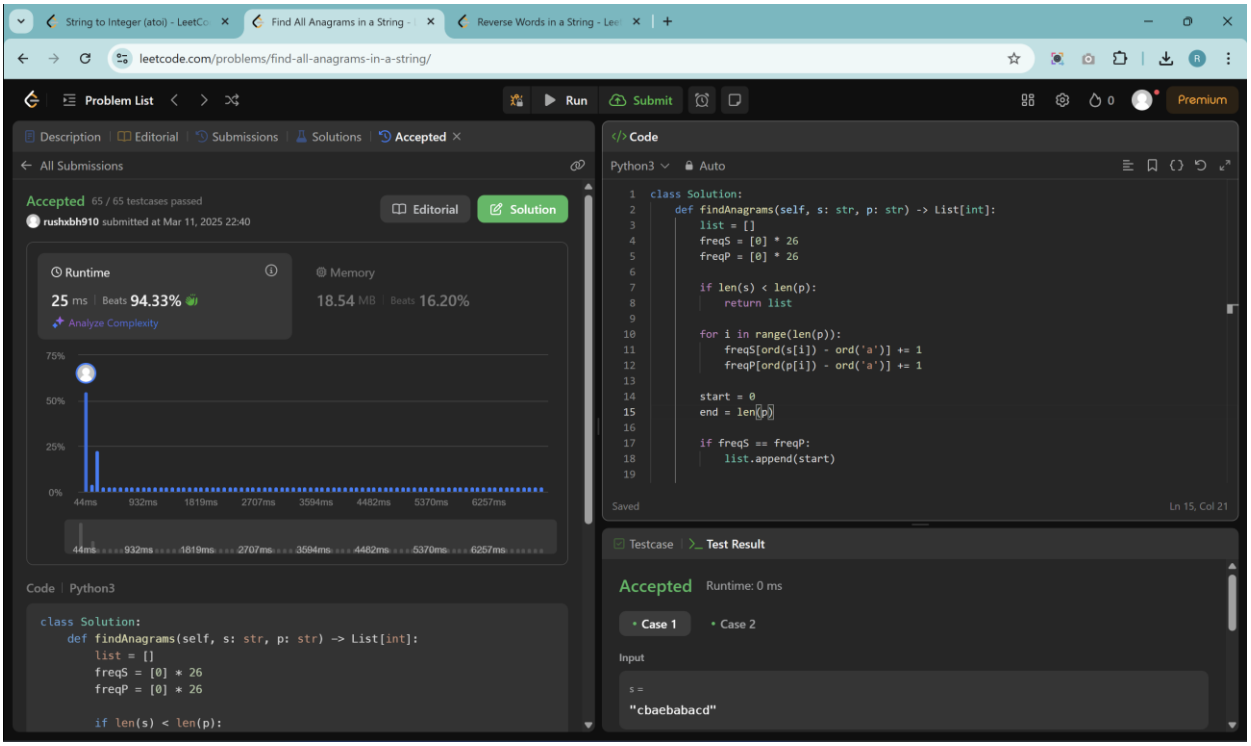
```python
class Solution(object):
    def myAtoi(self, s):
        s = s.strip()
        if not s:
            return 0
        i = 0
        sign = 1
        result = 0
        if s[i] == '-' or s[i] == '+':
            sign = -1 if s[i] == '-' else 1
            i += 1
        while i < len(s) and s[i].isdigit():
            digit = int(s[i])
            if result > (2**31 - 1 - digit) // 10:
                return 2**31 - 1 if sign == 1 else -2**31
            result = result * 10 + digit
            i += 1
        return sign * result
```



Q2.

Code:

```python
class Solution:
    def findAnagrams(self, s: str, p: str) -> List[int]:
        list = []
        freqS = [0] * 26
        freqP = [0] * 26

        if len(s) < len(p):
            return list

        for i in range(len(p)):
            freqS[ord(s[i]) - ord('a')] += 1
            freqP[ord(p[i]) - ord('a')] += 1

        start = 0
        end = len(p)

        if freqS == freqP:
            list.append(start)

        while end < len(s):
            freqS[ord(s[start]) - ord('a')] -= 1
            freqS[ord(s[end]) - ord('a')] += 1

            if freqS == freqP:
                list.append(start + 1)

            start += 1
            end += 1

        return list
```



Q3.

Code:

```
class Solution(object):
    def reverseWords(self, s):
        words = s.split()
        reversed_words = words[::-1]
        reversed_string = ' '.join(reversed_words)

        return reversed_string
```