

Started on	Thursday, 25 April 2024, 9:23 PM
State	Finished
Completed on	Friday, 26 April 2024, 8:22 PM
Time taken	22 hours 59 mins
Marks	5.00/5.00
Grade	50.00 out of 50.00 (100%)
Name	RAHUL S 2022-CSD-A

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

A number is stable if each digit occur the same number of times.i.e, the frequency of each digit in the number is the same. For e.g. 2277,4004,11,23,583835,1010 are examples for stable numbers.

Similarly, a number is unstable if the frequency of each digit in the number is NOT same.

Sample Input:

2277

Sample Output:

Stable Number

Sample Input 2:

121

Sample Output 2:

Unstable Number

```

1 num = input()
2 digit_freq = {}
3 for digit in num:
4     if digit.isdigit():
5         digit_freq[digit] = digit_freq.get(digit, 0) + 1
6 if len(set(digit_freq.values())) == 1:
7     print("Stable Number")
8 else:
9     print("Unstable Number")

```

	Input	Expected	Got	
✓	9988	Stable Number	Stable Number	✓
✓	12	Stable Number	Stable Number	✓
✓	455	Unstable Number	Unstable Number	✓

Passed all tests! ✓

Question **2**

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Check if a set is a subset of another set.

Example:

Sample Input1:

mango apple

mango orange

mango

output1:

yes

set3 is subset of set1 and set2

input2:

mango orange

banana orange

grapes

output2:

no

```
1 a = set(input())
2 b = set(input())
3 c = set(input())
4 if c.issubset(a):
5     print("yes\nset3 is subset of set1 and set2")
6 else:
7     print("No")
```

	Test	Input	Expected	Got	
✓	1	mango apple mango orange mango	yes set3 is subset of set1 and set2	yes set3 is subset of set1 and set2	✓
✓	2	mango orange banana orange grapes	No	No	✓

Passed all tests! ✓