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Q1. Write a python program to find all substring frequency in a string

str="ababa"

Output => {'a': 3, 'ab': 2, 'aba': 2, 'abab': 1, 'ababa': 1, 'b': 2, 'ba': 2, 'bab': 1, 'baba': 1}

Case 2: str="RGRG"

Output => {"R":2, "RG": 2,"RGR":1 , "RGRG":1, "G":2, "GR":1 , "GRG":1 }

Q2. Print the pattern

```
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

Q3 Create a function that takes a string as input and capitalizes a letter if its ASCII code is even and returns its lower case version if its ASCII code is odd.Don't use upper or any string inbuilt functions

Examples

ascii_capitalize("to be or not to be!") → "To Be oR NoT To Be!"

Q4 Create a function that takes a list of numbers and return the number that's unique.

unique = [3, 3, 3, 7, 3, 3] output → 7

unique = [0, 1, 0.77, 1, 2] output → 0.77,2

Q5 Create the function that takes a list of dictionaries and returns the sum of people's budgets.

```
get_budget = [
    {'name': 'John', 'age': 21, 'budget': 23000 },
    {'name': 'Steve', 'age': 32, 'budget': 40000 },
    {'name': 'Martin', 'age': 16, 'budget': 2700 } ]
```

Output → 65700

Q6 Write difference between method overloading and overriding in 80 words

Q7 What is oops concepts define its feature in at least 150 words