



B-35, II Floor, Next to Basant Bahar, Gopalpura Bypass, Tonk Road, Jaipur, Rajasthan - 302018

Name:	Email :	
BATCH Name:	Date:	

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

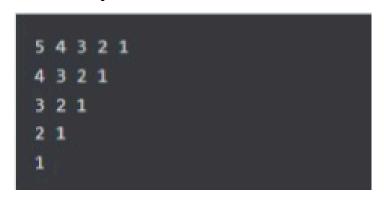
str="ababa"

```
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



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 \rightarrow 7
unique = [0, 1, 0.77, 1, 2] output \rightarrow 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