

Program 9 : Program to create and handle frequency table using python

In [7]:

```
class FrequencyTable:
    def __init__(self, data):
        self.data = data
        self.frequency_table = {}

        # Create frequency table directly in the constructor
        self.create_frequency_table()

    def create_frequency_table(self):
        for element in self.data:
            if element in self.frequency_table:
                self.frequency_table[element] += 1
            else:
                self.frequency_table[element] = 1

    def print_frequency_table(self):
        print("Frequency Table:")
        for key, value in self.frequency_table.items():
            print(f"{key}: {value}")

# Sample data
data = ['A', 'B', 'C', 'A', 'A', 'B', 'C', 'D', 'A', 'B', 'B']

# Create an instance of FrequencyTable class
freq_table = FrequencyTable(data)

# Printing the frequency table directly from the constructor
freq_table.print_frequency_table()
```

Frequency Table:

A: 4
B: 4
C: 2
D: 1