3/31/24, 3:33 PM Untitled6

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

file:///C:/Users/ACER/Downloads/Untitled6.html 1/1