

EXPERIMENT-14

14. Scenario: You are a data analyst working for a company that sells products online. You have been tasked with analyzing the sales data for the past month. The data is stored in a Pandas data frame.

Question: Develop a code in python to find the frequency distribution of the ages of the customers who have made a purchase in the past month.

Code:

```
import pandas as pd
from collections import Counter
df = pd.DataFrame({
    "age": [21, 25, 25, 30, 28, 30, 35, 40, 25]
})
age_freq = Counter(df["age"])
print("Frequency Distribution of Customer Ages:")
print(age_freq)
```

Output:

```
[Running] python -u "c:\Users\karan\OneDrive\Desktop\New folder (2)\14.py"
Frequency Distribution of Ages:
Counter({22: 2, 24: 2, 21: 1, 23: 1, 25: 1})

[Done] exited with code=0 in 1.21 seconds
```