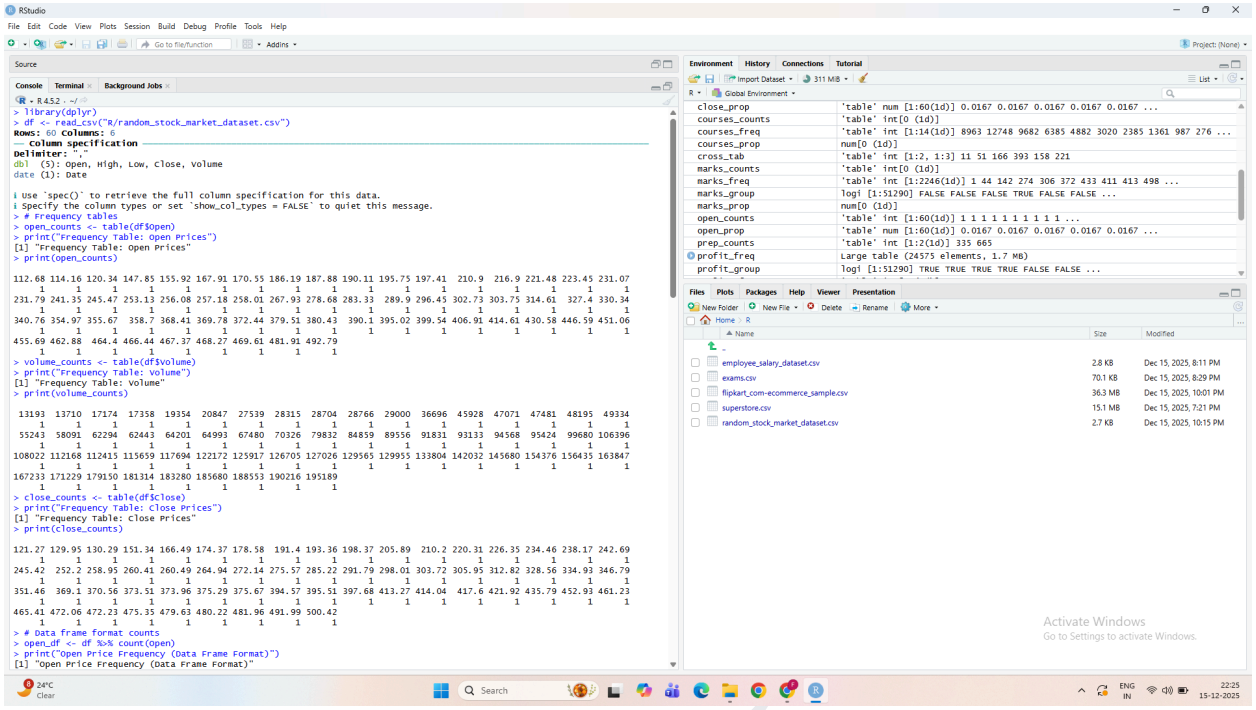
SHETH L.U.J. AND SIR M.V. COLLEGE

PRACTICAL NO 2

AIM: Generating frequency tables using table() or count() ®



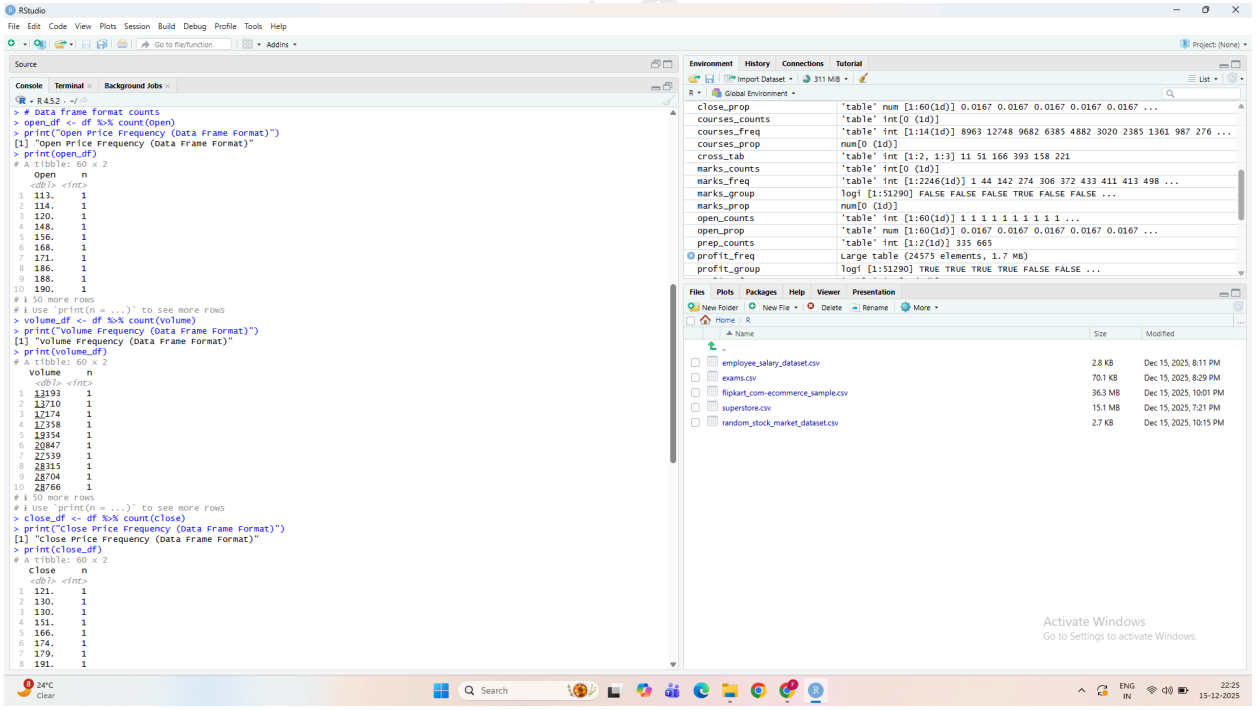
```
> library(dplyr)
> df <- read_csv("R/random_stock_market_dataset.csv")
Rows: 60 Columns: 6
── Column specification ────────────────────────────────────────────────────────
Delimiter: ","
dbl  (5): Open, High, Low, Close, Volume
date (1): Date

ℹ Use `spec()` to retrieve the full column specification for this data.
ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
> # Frequency tables
> open_counts <- table(df$Open)
> print("Frequency Table: Open Prices")
[1] "Frequency Table: Open Prices"
> print(open_counts)

112.68 114.16 120.34 147.85 155.92 167.91 170.55 186.19 187.88 190.11 195.75 197.41  210.9  216.9 221.48 223.45 231.07
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
231.79 241.35 245.47 253.13 256.08 257.18 258.01 267.93 278.68 283.33  289.9 296.45 302.73 303.75 314.61  327.4 330.34
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
340.76 354.97 355.67  358.7 368.41 369.78 372.44 379.51 380.43  390.1 395.02 399.54 406.91 414.61 430.58 446.59 451.06
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
455.69 462.88  464.4 466.44 467.37 468.27 469.61 481.91 492.79
     1      1      1      1      1      1      1      1      1
> volume_counts <- table(df$Volume)
> print("Frequency Table: Volume")
[1] "Frequency Table: Volume"
> print(volume_counts)

 13193  13710  17174  17358  19354  20847  27539  28315  28704  28766  29000  36696  45928  47071  47481  48195  49334
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
 55243  58091  62294  62443  64201  64993  67480  70326  79832  84859  89556  91831  93133  94568  95424  99680 106396
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
108022 112168 112415 115659 117694 122172 125917 126705 127026 129565 129955 133804 142032 145680 154376 156435 163847
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
167233 171229 179150 181314 183280 185680 188553 190216 195189
     1      1      1      1      1      1      1      1      1
> close_counts <- table(df$Close)
> print("Frequency Table: Close Prices")
[1] "Frequency Table: Close Prices"
> print(close_counts)

121.27 129.95 130.29 151.34 166.49 174.37 178.58  191.4 193.36 198.37 205.89  210.2 220.31 226.35 234.46 238.17 242.69
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
245.42  252.2 258.95 260.41 260.49 264.94 272.14 275.57 285.22 291.79 298.01 303.72 305.95 312.82 328.56 334.93 346.79
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
351.46  369.1 370.56 373.51 373.96 375.29 375.67 394.57 395.51 397.68 413.27 414.04  417.6 421.92 435.79 452.93 461.23
     1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1      1
465.41 472.06 472.23 475.35 479.63 480.22 481.96 491.99 500.42
     1      1      1      1      1      1      1      1      1
> # Data frame format counts
> open_df <- df %>% count(Open)
> print("Open Price Frequency (Data Frame Format)")
[1] "Open Price Frequency (Data Frame Format)"
```



```
> print(open_df)
# A tibble: 60 × 2
    Open     n
   <dbl> <int>
 1  113.     1
 2  114.     1
 3  120.     1
 4  148.     1
 5  156.     1
 6  168.     1
 7  171.     1
 8  186.     1
 9  188.     1
10  190.     1
# ℹ 50 more rows
# ℹ Use `print(n = ...)` to see more rows
> volume_df <- df %>% count(Volume)
> print("Volume Frequency (Data Frame Format)")
[1] "Volume Frequency (Data Frame Format)"
> print(volume_df)
# A tibble: 60 × 2
   Volume     n
    <dbl> <int>
 1  13193     1
 2  13710     1
 3  17174     1
 4  17358     1
 5  19354     1
 6  20847     1
 7  27539     1
 8  28315     1
 9  28704     1
10  28766     1
# ℹ 50 more rows
# ℹ Use `print(n = ...)` to see more rows
> close_df <- df %>% count(Close)
> print("Close Price Frequency (Data Frame Format)")
[1] "Close Price Frequency (Data Frame Format)"
> print(close_df)
# A tibble: 60 × 2
   Close     n
   <dbl> <int>
 1  121.     1
 2  130.     1
 3  130.     1
 4  151.     1
 5  166.     1
 6  174.     1
 7  179.     1
 8  191.     1
```