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In [21]: # 5. A count of how many establishments received each rating: 1, 2, 3, 4 and
          # 5, and how many ratings were omitted.
          # My way
          import csv
          with open('Wk4-foodhygienedata.csv', 'r') as file:
              reader = csv.DictReader(file, delimiter = ',')

              fivers = 0 # important define variables here top, BEFORE for loop
              fours = 0
              threes = 0
              twos = 0
              ones = 0
              nulls = 0

              for row in reader: # will go through all rows

                  if row["rating"] == "5": # can be defined like this
                      fivers += 1
                  if row["rating"] == "4":
                      fours += 1
                  if '3' in row["rating"]: # or can be defined like this
                      threes += 1
                  if '2' in row["rating"]:
                      twos += 1
                  if '1' in row["rating"]:
                      ones += 1
                  if not row["rating"]: # *****Note: "not" returns True
                                          # for 0, "", None, and False.
                      nulls += 1

          print("There are so many ratings of '5':", fivers)
          print("There are so many ratings of '4':", fours)
          print("There are so many ratings of '3':", threes)
          print("There are so many ratings of '2':", twos)
          print("There are so many ratings of '1':", ones)
          print("There are so many without rating:", nulls)

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There are so many ratings of '5': 1786
There are so many ratings of '4': 820
There are so many ratings of '3': 391
There are so many ratings of '2': 61
There are so many ratings of '1': 28
There are so many without rating: 82

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In [22]: # 5. Or via a new List
# George's way
import csv
with open('Wk4-foodhygienedata.csv', 'r') as file:
    reader = csv.DictReader(file, delimiter = ',')

    ratings = [0,0,0,0,0] # List for 1 to 5
    omittedRatings = 0    # omitted as separate variable, not part of list

    for row in reader:
        if row["rating"] == "5":
            ratings[4] += 1    # last place in list, counts the fivers
        if row["rating"] == "4":
            ratings[3] += 1
        if row["rating"] == "3":
            ratings[2] += 1
        if row["rating"] == "2":
            ratings[1] += 1
        if row["rating"] == "1":
            ratings[0] += 1
        if row["rating"] in (None, ""):
            omittedRatings += 1

    print("Amount scoring 1:", ratings[0])
    print("Amount scoring 2:", ratings[1])
    print("Amount scoring 3:", ratings[2])
    print("Amount scoring 4:", ratings[3])
    print("Amount scoring 5:", ratings[4])
    print("Amount missing:", omittedRatings)
```

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Amount scoring 1: 28
Amount scoring 2: 61
Amount scoring 3: 391
Amount scoring 4: 820
Amount scoring 5: 1786
Amount missing: 82
```

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In [23]: # 5. Highway
import csv
with open('Wk4-foodhygienedata.csv', 'r') as file:
    reader = csv.DictReader(file, delimiter = ',')
    ratings = [0,0,0,0,0,0] # list for 'null' and 1 to 5

    for row in reader:
        if '5' in row["rating"]:
            ratings[5] += 1
        if '4' in row["rating"]:
            ratings[4] += 1
        if '3' in row["rating"]:
            ratings[3] += 1
        if '2' in row["rating"]:
            ratings[2] += 1
        if '1' in row["rating"]:
            ratings[1] += 1
        if not row["rating"]:
            ratings[0] += 1

    print("There are so many ratings of '5':", ratings[5])
    print("There are so many ratings of '4':", ratings[4])
    print("There are so many ratings of '3':", ratings[3])
    print("There are so many ratings of '2':", ratings[2])
    print("There are so many ratings of '1':", ratings[1])
    print("There are so many without rating:", ratings[0])
```

There are so many ratings of '5': 1786

There are so many ratings of '4': 820

There are so many ratings of '3': 391

There are so many ratings of '2': 61

There are so many ratings of '1': 28

There are so many without rating: 82