

```
1  """
2  CS241 Homework 09
3  Written by Chad Macbeth
4  """
5
6  # Create an empty dictionary:
7  #   key = degree name
8  #   value = number of degrees
9  degrees = dict()
10
11 # Read all records in the census data
12 with open("census.csv", "r") as file_in:
13     for line in file_in:
14         fields = line.split(", ") # There is a space after the comma
15         degree = fields[3]         # Degree is listed in column index 3
16
17         # If the degree is in the dictionary, then add one to it
18         # If the degree is not in the dictionary, then add it with a count of 1
19         if degree in degrees:
20             degrees[degree] += 1
21         else:
22             degrees[degree] = 1
23
24 # Print out all keys and values in the dictionary
25 # The items() function returns a list of (key,value) tuples
26 for degree, count in degrees.items():
27     print("{:5} -- {}".format(count, degree)) # {:5} sets the width to 5
28
29
30
```