generate\_report.py

#!/usr/bin/env python3

import csv

def read\_employees(csv\_file\_location):

csv.register\_dialect('empDialect', skipinitialspace=True, strict=True)

employee\_file = csv.DictReader(open(csv\_file\_location), dialect = 'empDialect')

employee\_list = []

for data in employee\_file:

employee\_list.append(data)

return employee\_list

employee\_list = read\_employees('/home/student-00-bb748b7039a3/data/employees.csv')

print(employee\_list)

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def process\_data(employee\_list):

department\_list = []

for employee\_data in employee\_list:

department\_list.append(employee\_data['Department'])

department\_data = {}

for department\_name in set(department\_list):

department\_data[department\_name] = department\_list.count(department\_name)

return department\_data

dictionary = process\_data(employee\_list)

print(dictionary)

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dictionary = process\_data(employee\_list)

print(dictionary)

def write\_report(dictionary, report\_file):

with open(report\_file, "w+") as f:

for k in sorted(dictionary):

f.write(str(k)+':'+str(dictionary[k])+'\n')

f.close()

write\_report(dictionary, '/home/student-00-bb748b7039a3/data/report.txt')