

```
#!/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-00-7136ba16714d/data/employees.csv")
```

```
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 department_list:
        department_data[department_name] = department_list.count(department_name)
    return department_data
```

```
dictionary = process_data(employee_list)
```

```
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()
```

```
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-00-7136ba16714d/test_report.txt")
```