CSE111 Quiz 4 Question

Question:
Implement the "MarketingOfficer" and "CommunicationOfficer" class derived from the "MarketingDepartmentEmployee" class with necessary properties so that the expected output is generated. Do not change any given code.

```
class MarketingDepartmentEmployee:
    employeeInfo = {}
    def __init__(self, name, designation, workHour): #workHour = Per week working hour
        self.name = name
        self.designation = designation
        self.workHour = workHour

    def calculateWeeklyIncome(self):
        pass

    def __str__(self):
        s = f"Name: {self.name}\nDesignation: {self.designation}\nWork hour per week: {self.workHour} hours"
        return s

# Write your codes here.
cm1 = MarketingOfficer("Ross","Chief Marketing Officer",45,1500)
print('1.----------------------------------')
cm1.calculateWeeklyIncome()
print('2.----------------------------------')
print(cm1)
print('3.----------------------------------')
cm2 = MarketingOfficer("Rachel","Chief Marketing Officer",45,2000,5)
print('4.----------------------------------')
cm2.calculateWeeklyIncome()
print('5.----------------------------------')
print(cm2)
print('6.----------------------------------')
print(MarketingDepartmentEmployee.employeeInfo)
print('7.==================================')
co1 = CommunicationOfficer("Chandler","Communication Officer",50,1000,7)
print('8.----------------------------------')
co1.calculateWeeklyIncome()
print('9.----------------------------------')
print(co1)
print('10.----------------------------------')
co2 = CommunicationOfficer("Monica","Chief Communication Officer",55,1200)
print('11.----------------------------------')
co2.calculateWeeklyIncome()
print('12.----------------------------------')
print(co2)
print('13.----------------------------------')
print(MarketingDepartmentEmployee.employeeInfo)
```

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Output:
Chief Marketing Officer Ross - created.
1.-----------------------------------
Weekly income of Ross has been calculated
2.-----------------------------------
Name: Ross
Designation: Chief Marketing Officer
Work hour per week: 45 hours
Per hour income: 1500 Taka
Over time:0 hours
Weekly income: 67500 Taka
3.-----------------------------------
Chief Marketing Officer Rachel - created.
4.-----------------------------------
Weekly income of Rachel has been calculated
5.-----------------------------------
Name: Rachel
Designation: Chief Marketing Officer
Work hour per week: 45 hours
Per hour income: 2000 Taka
Over time:5 hours
Weekly income: 100000 Taka
6.-----------------------------------
{'Chief Marketing Officer': ['Ross', 'Rachel']}
7.=================================
Communication Officer Chandler - created.
8.-----------------------------------
Weekly income of Chandler has been calculated
9.-----------------------------------
Name: Chandler
Designation: Communication Officer
Work hour per week: 50 hours
Per hour income: 1000 Taka
Over time:7 hours
Weekly income: 57000 Taka
10.-----------------------------------
Chief Communication Officer Monica - created.
11.-----------------------------------
Weekly income of Monica has been calculated
12.-----------------------------------
Name: Monica
Designation: Chief Communication Officer
Work hour per week: 55 hours
Per hour income: 1200 Taka
Over time:0 hours
Weekly income: 66000 Taka
13.-----------------------------------
{'Chief Marketing Officer': ['Ross', 'Rachel'], 'Communication Officer':
['Chandler'], 'Chief Communication Officer': ['Monica']}