

مکتب شریف

اولین بوتکمپ آموزشی - استخدامی ایران



تمرین ۳

مکتب ۷۵





کاروندان گرامی مراحل که در پایین نوشته شده به ترتیب دنبال کنند.

Ex. 1

Create a program For Company

We want to create a program that can Save information of our employees. But we don't know programming . please Help Us to create this program.

We need a program that support this methods and function:

- Add employee to our Database => add(name,family,hourPerMonth,salaryPerHour)
 - You should check that hourPerMonth smaller than 160
 - You should check this employee has not been added before =>show this users has been added before
- remove employee from Database => remove(name,family)
 - This function should check that employee with name and family exist or Not
 - This function should return all information about this employee
 - If employee not exist return empty object
- removes employee from Database if the salary is in Specified range => removeWithRange(min,max)
 - This function should return a list of information of employee that removed
 - This function should print information about count of employee that removed
- find maximum salary of employees => findMaxSalary()
 - This function should return Maximum salary
- find minimum salary of employees => findMinSalary()
 - This function should return Minimum salary
- calculate average salary of employees => calculateAvg()
 - This function should return Avg of Salary
- finds and show employees that their salary is above or below average salary => salaryInfo()
 - This function should return an object that have two key and value above and below ,and the value of them is a list that have employee with Salary above and below Avg
 - Sample {above:[{name:"Ali" ,.....},{name:"Omid",.....}] , below:[{name:"Ali" ,.....},{name:"Omid",.....}]}
- save history for add or remove employee => history()
 - This function should return count of adding and count of removing for every operation in an object
 - sample {add:5,remove:20}
- Show information for specified employee => showInfo(name,family)



- This function should return information about that employee if that employee exist
- Show information of All employee => showAllInfo()

all of items that write above just methods.

In the beginning of running code user Enter what he want to do,

For example. User enter Add then You should Get information about employee that he wants to add in this format " name,family,hourPerMonth,salaryPerHour" then you should add this employee with add function that you implemented.

After adding you get another command until user enter end in prompt.

All of Command That User can Enter in are:

- Add => get info (" name,family,hourPerMonth,salaryPerHour")
- Remove => get info ("name,family")
- RemoveWithRange => get info (min,max)
- FindMaxSalary
- FindMinSalary
- CalculateAvg
- SalaryInfo
- History
- ShowInfo
- ShowAllInfo
- End

You Should Follow the tips:

- camelCase
- using function in another function
- adding comments
- using switch for get commands
-

Grades	
50	Implement all 10 function with correct input and output
10	Add comments
10	Using Switch for commands



نکات

- مهلت ارسال تمرین تا پایان روز چهارشنبه ۱۴۰۱/۰۱/۱۷ . پاسخ تمرین را در کارتابل آموزشی خود ارسال کنید.
- نام **فایل و ایمیل** ارسالی خود را به این صورت قرار دهید: **Name_hw003_maktab75** به عنوان مثال **Mohammad_Ali_Kargar_hw003_maktab75**
- در صورت لزوم یک فایل **word** به عنوان توضیح در کنار کدهای خود قرار دهید.
- در صورتی که تمرین شامل چند فایل و فولدر میباشد حتماً آنها را قالب یک فایل فشرده شده جمع کنید.
- به دلیل بروز برخی مشکلات در ارسال فایل ها با پسوند **rar**، در صورتی که قصد ارسال فایل نهایی به صورت فایل **rar** دارید، پسوند آن را از **rar** به **ra** و در صورت عدم ارسال مجدد به **pdf** یا ... تغییر دهید. از ارسال شدن ایمیل خود اطمینان حاصل فرمایید.
- در صورتی که سوالی دارید **در گروه تلگرامی** بپرسید.