UNIV199 Introduction to Programming with Python
Homework#6

Due: December 28, 2022, Wednesday, 23:59.

Strings: Employee Salary Calculation

Write a Python program to calculate and report employee salaries.

Depending on the employee's position and the employment date, a salary increment is applied on the base salary according to the below table.

		Employment Date	
		Before 2010	2010 or after
Position	Managerial	$ 8000	$ 5000
	Non-Managerial	$ 2500	$ 0

Write the below functions, and a main program that calls the main() function:

name_correction( ) function

This function should receive a string containing the name of the employee. It should fix the names, middle names, and surnames such that their first letters are uppercase and all others are lowercase. However, names of "von" or "de" are exceptions; they should remain all in lowercase.

salary_increment( ) function

This function should receive employment date, position, and base salary of the employee. It should determine the salary increment amount according to the above table and send it back as its result.

main( ) function

Ask for the employee's name, base salary, position and employment date. Call the two functions to process employee name and to determine the salary increment. Print a line on the screen giving the fixed employee name and incremented salary as shown in the sample output.

After the employee is processed, the **main()** function should ask if the user wants to enter information for another employee. If the first letter of the answer is "**y**" the program should repeat the same process for another employee. If the first letter is "**n**" the program should stop. Otherwise the program should issue a warning and keep asking.

Do **NOT** use **BREAK, CONTINUE, RETURN** or any other statement that prematurely stops a loop or your program. You can use **RETURN** only for sending back values from your function.

The program output should be <u>exactly</u> as follows (bold entries are sample input):

```
Enter employee name: amaia freire sanchez gijOn
Enter employee base salary: 7500
Enter employee position: Business Analyst
Enter employment date = 3.6.2002
Amaia Freire Sanchez Gijon's current salary should be $ 10000

Do you want to enter another employee (Y/N)?  Yes

Enter employee name: JOHANNA VON LEDL
Enter employee base salary: 8000
Enter employee position: Sales Representative
Enter employment date = 17.9.2010
Johanna von Ledl's current salary should be $ 8000

Do you want to enter another employee (Y/N)?  yess

Enter employee name: ali desidero
Enter employee base salary: 15000
Enter employee position: Product Manager
Enter employment date = 18.10.2017
Ali Desidero's current salary should be $ 20000

Do you want to enter another employee (Y/N)?  Y

Enter employee name: david RAY
Enter employee base salary: 13000
Enter employee position: Information Systems Manager
Enter employment date = 18.10.2009
David Ray's current salary should be $ 21000

Do you want to enter another employee (Y/N)?  Maybe
Can you please enter a valid answer.
Do you want to enter another employee (Y/N)?  What
Can you please enter a valid answer.
Do you want to enter another employee (Y/N)?  yes

Enter employee name: cruella de vil
Enter employee base salary: 2000
Enter employee position: Dog Caretaker
Enter employment date = 04.08.2020
Cruella de Vil's current salary should be $ 2000

Do you want to enter another employee (Y/N)?  NO
```

Save your program as **hw06***yoursurname***.py**. Upload your file to Blackboard at "Homework 6".

Make sure you place comments in your program. Place your name, and ID as comments at the top. You should only use the features and commands you have learned until this homework was given.

> *While doing all your homework assignments, remember that:*
> - *You should not work together,*
> - *You should not give or take any files,*
> - *You should not give or take help other than simple verbal hints.*