

Student Information

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Course	CIS-024C-102
Date	3/28/2023

Task 1

File Edit View Repository Branch Help

Current repository
python-lab-week9

Current branch
main

Fetch origin
Last fetched just now

Changes

History

No branches to compare

tested to confirm radom greeting
aceboogie1 • just now

tested code sucessfully
aceboogie1 • 5 minutes ago

sucessful clone
aceboogie1 • 8 minutes ago

Create weekNineLab.py
aceboogie1 • 9 minutes ago

edited comments
Alex Marquez • 5 hours ago

tested code
Alex Marquez • 5 hours ago

Add files via upload
Alex Marquez • 6 hours ago

edited comments

Alex Marquez 22d8ab0 1 changed file +1 -20

weekNineLab

@@ -1,12 +1,4 @@

1 1 def get_name():

2 - """

3 - Create a function get_name that asks the for 3 names, add

4 the names to a list, sorts the list,

5 - and returns the list of sorted names.

6 -

7 - Change get_name to asks for 3 names, split the user name

8 into first and last name, then returns

9 the sorted list of users first and last name as a list to

10 main. get_name can sort by either first

11 or last name.

12 - """

@@ -25,11 +17,7 @@ def get_name():

25 17 return name_list

26 18

27 19

28 -def create_greeting(name):

29 - """

30 - The greeting should be a greeting like "Hello Gabriel, ho

31 w old are you?",

32 - "Welcome Gabriel, how old are you?", or "Dear Gabriel, ho

33 w old are you?".

34 - """

20 +def create_greeting(name):

21 greeting_list = ["Hello", "Welcome", "Dear", "Hi", "Yoros

22 hiku", "Konnichiwa"]

23

24 # import the random module, and use choice to make random

25 choices

@@ -43,13 +31,6 @@ def create_greeting(name):

43 31

44 32

45 33 def get_age(name_list):

46 - """

47 - get_age takes as input a list of names, it creates a rand

48 om greeting (a string) for each person.

49 - For each person, get_age then asks the user how old they

50 are and rprints their age.

51 - The greeting should be a greeting like "Hello Gabriel, ho

52 w old are you?", "Welcome Gabriel, how old are you?",

53 or "Dear Gabriel, how old are you?".

Task 2

```
def get_name():  
    #  
    # students should write the code for this function
```

```

#

# get the names
name_list = []
n = 3
for i in range(n):
    name = input("Please enter name %d of %d: " % (i+1, n))
    first_last = name.split(" ")
    name_list.append(first_last)

# sort the names (this is an advanced way to sort by last name, sort() also works)
name_list.sort(key=lambda x: x[1])

return name_list

def create_greeting(name):
    greeting_list = ["Hello", "Welcome", "Dear", "Hi", "Yoroshiku", "Konnichiwa"]

    # import the random module, and use choice to make random choices
    import random
    greeting = random.choice(greeting_list)
    first = name[0]

    result = greeting + " " + first

    return result

def get_age(name_list):
    #
    # students should write the code for this function
    #
    n = len(name_list)
    age_list = []
    for i in range(n):
        name = name_list[i]
        greeting = create_greeting(name)
        age_input = input("%s, how old are you?: " % greeting)
        age = int(age_input)
        age_list.append(age)

    return age_list

def print_first_report(name_list):
    """
    prints first report
    """

    print()
    print("The sorted names are:")

```

```

n = len(name_list)
for i in range(n):
    name = name_list[i]
    # this is an advanced way to "unpack" a list. name[0], name[1] also works.
    first, last = name
    print("%d. %s, %s" % (i+1, last, first))

def print_final_report(name_list, age_list):
    """
    prints the final report
    """
    print()
    print("The names and ages sorted by last name are:")
    n = len(name_list)
    for i in range(n):
        name = name_list[i]
        # this is an advanced way to "unpack" a list. name[0], name[1] also works.
        first, last = name
        age = age_list[i]
        print("%d. %s, %s is %d years old" % (i+1, last, first, age))

def main():
    """
    main prints each person and their age.
    """
    #
    # students should write the code for this function
    #

    # get and print names
    name_list = get_name()
    print_first_report(name_list)

    # for each person get their age, and greet them
    age_list = get_age(name_list)

    # print final report information
    print_final_report(name_list, age_list)

main()

```

Task 3

```
PROBLEMS  TERMINAL  ...  Python Debug Console  + v  [ ]  [X]  ...  ^  X

PS C:\Users\alexm\OneDrive\Documents\CIS-24 PYTHON\python-lab-week9> &
'C:\Users\alexm\AppData\Local\Microsoft\WindowsApps\python3.10.exe' 'c:\
Users\alexm\.vscode\extensions\ms-python.python-2023.4.1\pythonFiles\lib
\python\debugpy\adapter\..\..\debugpy\launcher' '61102' '--' 'C:\Users\alexm\OneDrive\Documents\CIS-24 PYTHON\python-lab-week9\weekNineLab.py'
Please enter name 1 of 3: Alex Marquez
Please enter name 2 of 3: Katie Hunter
Please enter name 3 of 3: Boba Marquez

The sorted names are:
1. Hunter, Katie
2. Marquez, Alex
3. Marquez, Boba
```

Task 4

```
Hello Katie, how old are you?: 30
Dear Alex, how old are you?: 29
Konnnichiwa Boba, how old are you?: 2

The names and ages sorted by last name are:
1. Hunter, Katie is 30 years old
2. Marquez, Alex is 29 years old
3. Marquez, Boba is 2 years old
PS C:\Users\alexm\OneDrive\Documents\CIS-24 PYTHON\python-lab-week9>
```

Task 5

```
The sorted names are:
1. Hunter, Katie
2. Marquez, Alex
3. Marquez, Boba
Dear Katie, how old are you?: 30
Yoroshiku Alex, how old are you?: 29
Welcome Boba, how old are you?: 2

The names and ages sorted by last name are:
1. Hunter, Katie is 30 years old
2. Marquez, Alex is 29 years old
3. Marquez, Boba is 2 years old
PS C:\Users\alexm\OneDrive\Documents\CIS-24 PYTHON\python-lab-week9>
```