

“Hello World”

CS1012 - Lab week 1 Activity Summary

Spring 2024

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Lab Agenda


- **Goal 1:** Review Module 1 & 2
- **Goal 2:** Quiz is 10-20 mins. Start time 4:40 PM
- **Goal 3:** Work on the exercises of Module 1 & Module 2

Strings

A string in Python is a sequence of letters, digits, or symbols (like \$ or *) surrounded by either a pair of double quotes or single quotes.

Examples:

```
print('Hello')  
print("World!")
```



Output:

Hello
World!

```
print('Hello', end=' ')  
print('World!')
```



Hello World!

```
print('Hello\nWorld!')
```



Hello
World!

Strings Con.

Example:

```
print('My friend\'s friend\'s dog\'s friend')
```

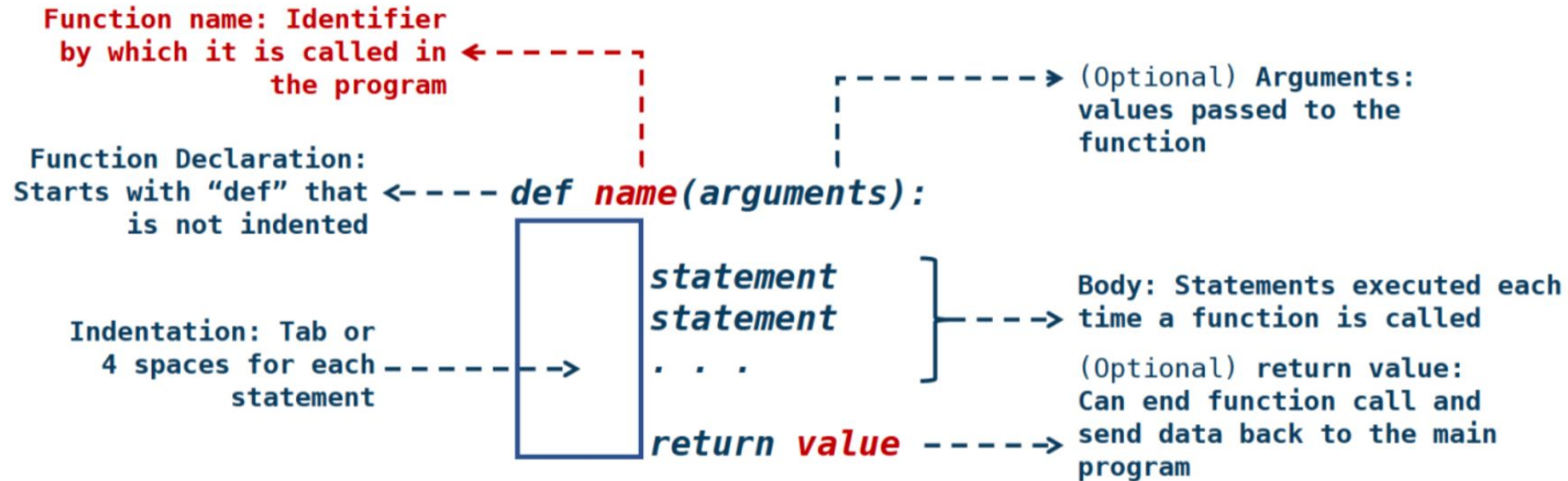


Output: My friend's friend's dog's friend

Functions

- Function is a piece of code that begins with the word **def**
- A function doesn't execute the code immediately

Syntax and Skeleton of a user-defined function



*The diagram obtained from Prof. Kartik Bulusu's lecture.

Tracing Function:

function definitions
do not execute
anything, they
prepare code to
execute later

```
1 def print_big_N():  
2     print('*  *')  
3     print('* * *')  
4     print('* * *')  
5     print('*  **')  
6     print('*  *')
```

```
7  
8 def print_big_0():  
9     print('*****')  
10    print('*  *')  
11    print('*  *')  
12    print('*  *')  
13    print('*****')
```

```
14  
15 print('Step 1')  
16 print_big_N()  
17 print('Step 8')  
18 print_big_0()  
19 print('Step ?')
```

2 the function call starts executing

3

4

5

6

7

after executing, the program
will go to the next step after
the function was called

1 execution starts here

2 this calls the print_big_N function

8 the program returns to where it was
after the function call

Lab Goal 2: Quiz

- The quizzes are your attendance for the labs.
- The quizzes are graded from Week 1 (this week onward)
- You should read the instructions that follow the word, **IMPORTANT**.
- In the quiz, write your First and Last Names **clearly**.

Reminders:

1. **You have the following modules to submit on blackboard:**
 - a. module0.zip [Due 31 Jan]
 - b. module1.zip [Due 31 Jan]
 - c. module2.zip [Due 31 Jan]
2. **Course webpage is our friend!** <https://gwu-csci1012.github.io>
3. **Office hours here:** <https://gwu-csci1012.github.io/about.html#office-hours>
4. **EdStem:** <https://edstem.org/us/join/aNhz9P>

Let us know if you have questions on:

1. How-to zip
2. How-to submit
3. How many files to submit etc:

<https://gwu-csci1012.github.io/submit-remember.htm>
!

- **Goal 3:**

- Work on the exercises of Module 1 & Module 2