

# 1.Python(Week 0-2)-Set-1

Total points 15/15

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✓ Which of the following statements about Python lists is true? \* 1/1

- ☐ a) Lists are immutable
- ☒ b) Lists can store different data types
- ☐ c) Lists must have unique elements
- ☐ d) Lists cannot be modified once created



✓ What will bool([]) return? \* 1/1

- ☐ a) True
- ☒ b) False
- ☐ c) None
- ☐ d) Error



✓ How do you correctly open a file named data.txt for writing in Python? \* 1/1

- ☐ a) open("data.txt", "r")
- ☒ b) open("data.txt", "w")
- ☐ c) open("data.txt", "a")
- ☐ d) open("data.txt", "x")



✓ What does list(range(3)) return? \* 1/1

- ☒ a) [0, 1, 2]
- ☐ b) [1, 2, 3]
- ☐ c) [0, 1, 2, 3]
- ☐ d) range(3)



✓ Which of the following is a Python variable naming convention? \* 1/1

- ☐ a) Variable names can start with a number
- ☐ b) Variable names can contain spaces
- ☒ c) Variable names are case-sensitive
- ☐ d) Variable names cannot include underscores



✓ What will be the output of `print(3 * "abc")`? \*

1/1

- ☒ a) abcabcab
- ☐ b) abc\*3
- ☐ c) abc abc abc
- ☐ d) Error



✓ Which of the following is used for loops in Python? \*

1/1

- ☐ a) for
- ☐ b) while
- ☒ c) Both a and b
- ☐ d) None of the above



✓ How do you create an infinite loop in Python? \*

1/1

- ☒ a) while True:
- ☐ b) for i in range(1000000):
- ☐ c) while (i < 10):
- ☐ d) loop forever:



✓ Which data type is used to store a sequence of characters in Python? \* 1/1

- ☐ a) int
- ☐ b) float
- ☒ c) string
- ☐ d) boolean



✓ What will len([1, 2, 3, 4]) return? \* 1/1

- ☐ a) 3
- ☒ b) 4
- ☐ c) 5
- ☐ d) Error



✓ What symbol is used to indicate a comment in Python? \* 1/1

- ☐ a) //
- ☐ b) /\* \*/
- ☒ c) #
- ☐ d) --



✓ What keyword is used to define a function in Python? \*

1/1

- ☐ a) define
- ☐ b) func
- ☒ c) def
- ☐ d) function



✓ What is the purpose of a programming language? \*

1/1

- ☐ a) To make coffee
- ☒ b) To communicate with computers
- ☐ c) To paint pictures
- ☐ d) To browse the internet



✓ What does the print() function do in Python? \*

1/1

- ☐ a) Saves a file
- ☒ b) Displays output to the screen
- ☐ c) Takes user input
- ☐ d) Terminates the program



✓ What is the correct syntax to take user input in Python? \*

1/1

- ☒ a) input("Enter your name:")
- ☐ b) scan("Enter your name:")
- ☐ c) read("Enter your name:")
- ☐ d) get("Enter your name:")



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