

Python Programming

Chapter 2 Exam – “Working with Data”

1. Which of the following is a valid Python data type?
 - a. All of these are valid
 - b. Integer
 - c. Floating Point
 - d. String

2. Which data type would best hold the value "Greetings"?
 - a. String
 - b. Integer
 - c. Floating Point
 - d. Boolean

3. What do we call an area in computer memory that holds a named value?
 - a. Variable
 - b. Vault
 - c. Locker
 - d. Dictionary

4. How do you change the data type of a variable?
 - a. Just assign a new value to the variable, and the type is automatically changed
 - b. Call the type() function
 - c. Print the variable contents to the screen
 - d. You can't change a variable's data type after the initial assignment

5. Which of the following statements will successfully assign the value 17 to the variable "age"?
 - a. age = 17
 - b. age + 17
 - c. 17 = age
 - d. age(17)

6. Which of the following variable names are invalid?
- a. 123LookAtMe
 - b. Look_at_me
 - c. LookAtMe123
 - d. All of these are valid
7. Based on best practice rules for naming variables, which of the following variable names would be best to hold a value containing a player's score?
- a. playerScore
 - b. ps
 - c. ThePlayersCurrentScoreInOurGame
 - d. x
8. Which of the following values is not a valid integer?
- a. 5.5
 - b. -2
 - c. 1000
 - d. 0
9. How would you assign the value 1,000 to a Python integer variable named "bigNumber"?
- a. bigNumber = 1000
 - b. bigNumber = 1,000
 - c. bigNumber(1000)
 - d. This number is too large to be assigned
10. Which of the following statements will print the text "GO FOR IT" to the screen?
- a. print("GO FOR IT")
 - b. print "GO FOR IT"
 - c. display("GO FOR IT")
 - d. show(GO FOR IT)

11. Which of the following is not a valid floating point number?

- a. "Three Point Five"
- b. -12.4
- c. 3.0
- d. All if these are invalid

12. Which of the following statements will successfully display the value 1.732 to the screen?

- a. `print(1.732)`
- b. `display(1.732)`
- c. `output 1.732`
- d. `print 1.732`

13. What will be stored in the "description" variable after the following statements run?

```
value = 3.14  
description = type(value)
```

- a. `class 'float'`
- b. 3.14
- c. `class 'str'`
- d. "value"

14. What will be stored in the "answer" variable after the following code runs?

```
part1 = 4  
part2 = 2  
answer = part1 * part2
```

- a. 8
- b. 6
- c. 2
- d. 0

15. Which data type will hold the value "Squirrel"?

- a. String
- b. Animal
- c. Integer
- d. Boolean

16. What will be displayed on the screen when the following statements run?

```
name = "George"  
print(name)
```

- a. George
- b. name
- c. name = "George"
- d. Nothing; you will get a syntax error message instead

17. What do programmers call the process of joining together two strings?

- a. Concatenation
- b. Gluing
- c. Joining
- d. Melding

18. What value will be stored in the "greeting" variable after the following statement runs?

```
greeting = "Nice" + "to" + "meet" + "you"
```

- a. Nicetomeetyou
- b. Nice to meet you
- c. Nice
- d. you

19. Which Python function can you use to convert a numeric data type into a string?

- a. `str()`
- b. `convert()`
- c. `parse()`
- d. `toString()`

20. Which of the following statements will successfully combine the string value stored in "myString" and the numeric value stored in "myNum" and store the string result in "answer"?

- a. `answer = myString + str(myNum)`
- b. `answer = myString + myNum`
- c. `answer = myString * parse(myNum)`
- d. `answer = convert("myString") + myNum`