MSDS 7330
File Organization and Database Management
Quiz Python 1

This is a synchronous session quiz assignment for MSDS7330, File Organization and Database Management. This quiz is due at the end of the same class period in which it is handed out or whenever the instructor tells you to hand it in; whichever comes first. Enter your answer to each question in the MSDS 7330 Quiz Answer Sheet Word document. Be sure to place your name and today's date in the Quiz Answer Sheet, and place your last name and the unit number at the beginning of the file name. For example, the filename for the quiz answer sheet for Unit 10 for Daniel Engels should be *Engels10MSDS7330QuizAnswerSheet.docx*.

For one question, in the Quiz Answer Sheet write out the explanation why the answer is correct. Your chosen question should be a different question from all other students in the session.

Your answer Word document should be submitted on the 2DS system for the quiz number equal to the unit number. For example, the quiz for Unit 10 should be submitted for Quiz 10.

1) What is Python?
   a) a markup language
   b) a programming language
   c) a spoken language
   d) a moderator language

2) In Python, what is used to structure code?
   a) semi-colons
   b) backslashes
   c) whitespace
   d) comments

3) What is the data type for "false"?
   a) array
   b) string
   c) boolean
   d) integer

4) What is the correct syntax for a multiline comment?
   a) " " "This is a multiline comment" " "
   b) "<!-- This is a multiline comment -->"
   c) "#This is a multiline comment"
   d) "//This is a multiline comment//"

5) What is the correct value of the variable: add = 72 + 33?
   a) 75
   b) 90
   c) 105
   d) 115

6) What is the correct value of the variable: sub = 193 - 78?
   a) 127
   b) 125
   c) 120
   d) 115

7) What is the correct value of the variable: multi = 98 * 0.5?
   a) 196
   b) 54
   c) 49
   d) 44

8) What is the '\' math operator used for in Python?
   a) division
   b) modulus
   c) factorial
   d) '\' is not a math operator

9) What is the correct value of the variable: div = 81 / 9?
   a) 8
   b) 9
   c) 10
   d) 11

10) Which of the following is the exponent operator?
   a) $
   b) **
   c) ˆ
   d) %

11) Which of the following is the modulo operator?

   a) $

   b) **

   c) ^

   d) %

12) What is the correct value of the variable: myVar = 3 ** 3?

   a) 1

   b) 6

   c) 9

   d) 27

13) What is the correct value of the variable: myVar = 41 % 7?

   a) 4

   b) 5

   c) 6

   d) 7

14) What is the correct way of printing the 'T' in the string 'PYTHON'?

   a) Print "PYTHON"[2]

   b) Print "PYTHON"[3]

   c) Print "PYTHON"(2)

   d) Print "PYTHON"(3)

15) What is the correct way to change the string 'python' to have all uppercase letters?

   a) "python".uppercase()

   b) "python".upper()

   c) upper("python")

   d) uppercase("python")

16) Which of the following methods use dot notation?

   a) upper()

   b) len() and str()

   c) lower() and upper()

   d) len(), str(), lower() and upper()

17) What will the lines of code print to the console: myVar = "1234" print myVar[2]?

   a) 1

   b) 2

   c) 3

   d) 4

18) What will the lines of code print to the console: myVar = "Monty Python".lower() print len(myVar)?

   a) monty python

   b) montypython

   c) 11

   d) 12

19) If myVar = "food", what its he data type of myVar?

   a) Integer

   b) Boolean

   c) Word

   d) String

20) Which is a correct way to denote the string "comma"?

   a) 'comma'

   b) 'comma"

   c) comma

   d) "comma'

21) Which of the following assigns a string to myVar?

   a) myVar = string

   b) myVar = True

   c) myVar = '25'

   d) myVar = "string" and myVar = "25"

22) What is the correct way of printing the following: "I'm a string"?

   a) print I'm a string

   b) print 'I'm a string'

   c) print "I'm a string'

   d) print "I'm a string"

23) What is the correct way to write a single line comment?

   a) `/* This is a comment*/`

   b) `//This is a comment`

   c) `"This is a comment"`

   d) `# This is a comment`

24) What correctly imports the datetime library?

   a) import datetime from datetime

   b) form datetime import datetime

   c) import from datetime

   d) import datetime

25) What will happen if the following phrase is used: import datetime?

   a) All functions from datetime are imported

   b) Only functions used in the program are imported

   c) Nothing is imported

   d) A random amount of functions are imported

26) What will be displayed when the variable space is printed: space = datetime.now()?

   a) The current day-month-year hours-minutes-seconds

   b) The current year-month-day hours-minutes-seconds

   c) The current year-day-month hours-minutes-seconds

   d) The current year-month-day hours-seconds-minutes

27) What will this code print?

time = datetime.now() #2014-07-08 13:08:09 print time.day

   a) 08

   b) 07

   c) 13

   d) 09

28) What will this code print?

time = datetime.now() #2014-07-08 13:08:09 print "%s/%s/%s" % (time.day, time.month, time.year)

   a) 08/07/2014

   b) 07/08/2014

   c) 2014/08/07

   d) 2014/07/08

29) What will this code print?

time = datetime.now() #2014-07-08 13:08:09 print "%s/%s/%s" % (time.day, time.month, time.year)

    a) 13:08:09
    b) 13:09:08
    c) 14:07:08
    d) 13:08:07

30) What is control flow?

    a) Something that makes code more readable
    b) Something that allows functions to be called
    c) Something that allows us to select between multiple outcomes
    d) Something that allows the interpreter to print values on the console

31) What is the difference between '==' and '='?

    a) == assigns a value to a variable and = compares whether two things are equal
    b) both == and = can be used interchangeably
    c) both == and = only assign values to variables
    d) == compares whether two things are equal and = assigns a value to a variable

32) In Python, what data type do comparisons generate?

    a) Integers
    b) Numbers
    c) Floats
    d) Booleans

33) What are the three Boolean operators in Python?

    a) and, or, and not
    b) and, or, and maybe
    c) yes, no, and not
    d) None of the answers above are correct

34) What is the expression after an if statement always followed by?

    a) A semicolon and curly braces
    b) A semicolon and four spaces of white space on the next code block
    c) A colon and four spaces of white space on the next code block
    d) A colon and two spaces of white space on the next code block