Name: _____   Unit 3 Learn the Hard way quiz

1. Write your name as a python comment:

2. What is the **%** called in python math?
A. Addition
B. Multiplication
C. Modulus
D. Division

3. How does the **%** work in python math?

4. (True/False) Order of operation applies to python math the same as in regular math.

5. What is the different between the = (single-equal) and == (double-equal)?

6. Which of the following is a valid variable name?
A. 5_for_fighting
B. five-for-fighting
C. five_for_fighting
D. five for fighting

7. What data does a floating point variable store?
A. Whole numbers only (1,40, 388, etc)
B. Numbers with decimals (1.5, 42.644, 0.8, etc)
C. Letters and symbols ("Hello!")
D. True or False values

8. What keyword do you use in python to output text to the screen?
A. output
B. cout
C. print
D. if

9. Assign your name as a python string to a variable called *title:*

10. (True/False) You can only use " (double quotes) and not ' (single quotes) to create strings in python.

11. What does the , (comma) do when used with the print keyword?
A. Continues the output on the same line
B. Adds a line break to the output
C. Adds to items together
D. Outputs a comma

12. What is the percent symbol (%) used in strings in python?
A. String formatting
B. Labeling sale information
C. Divides two strings
D. It causes an error

13. What does the plus symbol (+) do with strings?
A. Makes the text bigger
B. Concatenates (or adds) two string together into one string
C. The same thing the , (comma) does
D. It causes an error

14. What is the **\n** character called? What does it do?

15. What python function is used to ask for input from the keyboard?
A. print
B. raw_input
C. open
D. " " " (triple quoted strings)

16. Write code to ask the user to enter their name, & store their answer in a variable called *title:*

17. Which python function is used to read the contents of a file into your program, or write to the file?
A. print
B. raw_input
C. open
D. % (Modulus operator)

18. What should you always do with a file when you finish with it?
A. close it
B. keep it open
C. throw it in the garbage
D. read it

19. What do you call values that you give to functions?
A. Vals
B. Registers
C. Arguments
D. Vunctions

20. What keyword do you use to define a python function?
A. print
B. for
C. if
D. def

21. What symbols must be used to call a function even if the function does no require an arguments?
A. { } (curly braces)
B. ( ) (parenthesis)
C. [ ] (square braces)
D. ## (double hash)

22. Sometimes when you call a function it can give you values back, what is the keyword function use to give stuff back when they are called?
A. print
B. def
C. return
D. for

23. Which logic operator is used to compare two values to see if they are equal?
A. =
B. ==
C. !=
D. <=

24. What does the word **Logic** refer to in python? List the only two values involved in **Logic**:

25. What is the name of the values that logical operations return?
A. Assignment
B. Boolean
C. Parenthesis
D. Loop

26. If you mom says you can go to the party this weekend if you clean your room AND clean the garage, then you clean your room but not the garage, can you go to the party?
Yes or No (True or False)

27. If you mom says you can go to the party this weekend if you clean your room OR clean the garage, then you clean your room but not the garage, can you go to the party?
Yes or No (True or False)

28. What keyword in python is used with logical statements (or conditions) to allow the computer make a single decision?
A. print
B. if
C. for
D. while

29. What python keyword is used in an if statement to ask additional true or false questions?
A. if
B. else if
C. elif
D. else

30. What keyword is never used with a condition, but handles the implied case "if everthing else is false, do this"?
A. if
B. else if
C. elif
D. else

31. (True/False) Do you want a bear to eat your face off? (if your answer is True draw a bear, else draw a smiley face)

32. What type of variable stores a group of values with one variable name? (i.e. `fruit = ['apple', 'pear', 'grape','tomato'])`
A. Boolean
B. Condition
C. Loop
D. List

33. What is the keyword of a statement that will iterate through every value in a loop?
A. if
B. for
C. while
D. def

34. Which function will give you a list of numbers?
A. append
B. range
C. list
D. for

35. What is the keyword of a statement that repeats a block of code until a condition is false?
A. else
B. for
C. while
D. if

36. What symbols are used to access individual elements of a list?
A. { } (curly braces)
B. ( ) (parenthesis)
C. [ ] (square braces)
D. ## (double hash)

37. If I had a list of animals, how would I access the eagle?

```
animal = ['bobcat', 'antelope', 'aardvark', 'eagle', 'hawk', 'monkey']
```

A. animal[4]
B. animal[3]
C. animal[5]
D. animal['eagle']

38. Which function is used to add an item to a list?
A. range
B. str
C. append
D. def

39. Find and fix all the syntax errors in the following code

```
people = 30
cars == 40
trucks = 15


if Cars > people:
    print "We should take the cars."
elif cars < people:
print "We should not take the cars."
else:
    print "We can't decide."

if trucks > cars:
    print "That's too many trucks."
else if trucks < cars:
    print "Maybe we could take the trucks."
else:
    print We still can't decide."

if people > trucks:
    print "Alright, let's just take the trucks.'
else
    print "Fine, let's stay home then."
```