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Quiz 10

Section 402

1. **b) a programming language.** Python is used to write programs and is like instructions for a computer. The code written by a person is turned into machine code which the computer uses to complete operations.
2. **c) whitespace** New lines are indented when they are part of a definition/if/while/etc statement.
3. **b) string.** Since false is between quotation marks it is a string. If it were simple False with no quotes it would be a Boolean.
4. **a) “ “ “This is a multiline comment” ” ”** Anything between the triple quotation marks will be a comment even if they are many lines apart.
5. **c) 105.** The variable add is being set to the sum of 72 and 33 which is 105.
6. **d) 115** This variable is being set to the difference between 193 and 78 which is 115
7. **c) 49** This answer is not really 100% correct since you are multiplying an integer and a float which results in a float so the answer should be 49.0.
8. **d) ‘\’ is not a math operator** This looks like the division operator but that is a forward slash (/). The backslash can be used as an escape character.
9. **b) 9** The variable is being set to the value of 81 divided by 9 which is 9.
10. **b) \*\*** In python two asterisks represent the next number being an exponent, 9 squared for example would be written as 9 \*\* 2.
11. **d) %.** Modulo is represented by the percent sign and returns the remainder of one number divided for another. For example 11 % 10 == 1.
12. **d) 27**. This variable is 3 cubed which is 27.
13. **c) 6.** 7 goes into 41 evenly 5 times which equals 35. There is 6 remaining so 41 % 7 returns 6
14. **a) Print “PYTHON”[2]** . Python begins indexing at 0 so to get the third letter you would use 2 in brackets.
15. **b) “python”.upper().** A string can be made all upper case with the dot notation .upper
16. **c) lower() and upper()** These two use dot notation while the other two have values or variables placed within the parentheses.
17. **c) 3.** This will print the 3rd character in the string since indexing starts at 0.
18. **d) 12** You are printing the length of the string which is 12 since spaces are counted as well.
19. **d) String.** Anything placed within quotation marks is a string.
20. **a) ‘comma’** Single and double quotation marks will give a string but they must be the same on each end.
21. **c) myVar = ’25’** This will set myVar to be a string (a series of characters) that would print as 25. This means 25 is not numeric so you couldn’t perform mathematical operations on it.
22. **d) print “I’m a string”** Since there is an apostrophe double quotations must be used or else it’d think the string is only the letter I.
23. **d) # This is a comment** Whatever follows # will be a comment but only if it’s on the same line.
24. **b) from datetime import datetime d) import datetime** The first one only imports datetime from the datetime library while the second imports everything from datetime.
25. **c) Nothing is imported** Nothing is imported it simply makes the library available and specific calls must still be made
26. **b) The current year-month-day hours-minutes-seconds** The date format is YYYY-MM-DD and HH-MM-SS.
27. **a) 08.** Only the day will be printed.
28. **a) 08/07/2014** The %s will be replaced by the value based on the order given in the parentheses.
29. **a) 13:08:09.** Like above the %s is replaced by what is specified in parentheses.
30. **c) Something that allows us to select between multiple outcomes** These include for and while loops as well as If/else statements.
31. **d) == compares whether two things are equal and = assigns a variable.** When assigning you have the variable name on the left and its value on the right. Two equal signs is like saying “is equal to” for example 2 + 2 == 4.
32. **d) Booleans.** Comparisons return either True or False which are Booleans.
33. **a) and, or, and not.** Yes, No, and Maybe are not used themselves in python.
34. **c) A colon and four spaces of white space on the next code block.** The colon follows the If statement while the indented code below is what is executed if the condition is met.