EdwardCallowITC110:Chapter\_1\_Questions

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|  | 1.Which of the following are operators, and which are values?  \* [operator]  'hello' [value]  -88.8[value]  -[operator]  /[operator]  +[operator]  5[value]  29[value]  2.Which of the following is a variable, and which is a string?  spam [variable]  'spam' [string]  3. Name three data types.  *integer, float, string*  4. What is an expression made up of? What do all expressions do?  *An expression has at least one value and one operator. An expression always evaluates to a value.*  5.This chapter introduced assignment statements, like spam = 10  . What is the difference between an expression and a statement?  *The difference is in an assignment statement a value is merely stored in a variable, whereas in an expression a mathematical operation is performed, computing a new value.*  6.What does the variable bacon contain after the following code runs?  bacon = 20  bacon + 1  *After this, the variable bacon still contains 20.*  7.What should the following two expressions evaluate to?  'spam' + 'spamspam'  'spam' \* 3  They both should be ‘spamspamspam’  8. Why is eggs a valid variable name while 100 is invalid?  *Because variables may not begin with a number.*  9.What three functions can be used to get the integer, floating-point number, or string version of a value?  int(),float(),string(), respectively.  10. Why does this expression cause an error? How can you fix it?  'I have eaten ' + 99 + ' burritos.'  *It causes an error because 99 is a different data type and may not be cancatenated to a string. To fix this, use single quotes around 99 (‘99’).* |