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In [1]: 1. In the below elements which of them are values or an expression?
         eg:- values can be integer or string and expressions will be mathematical operators.
In [3]: 'hello',-87.8,6 are values thus they are in integer and
         strings and *,-,+,/ are expression thus they are mathematical operators.
 In [4]: 2. What is the difference between string and variable?
 In [6]: String is defined as the sequence of characters enclosed by single quote or double quote.
         Variables are used to store values.
 In [7]: 3. Describe three different data types.
 In [8]: The three different data types are:int,list,tuple
         int:It is just a normal number
         ex: a=8
         list: Lists are used to store multiple items in a single variable. It uses []. It is mutable.
         ex: list1=[1,2,3,4,5]
         tuple: Tuples are used to store multiple items in a single variable. It uses (), It is immutable.
In [9]: 4. What is an expression made up of? What do all expressions do?
In [10]: An expression is a combination of values, variables, operators, and calls to functions.
         Expressions are representations of value.
In [11]: 5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?
In [12]: A statement in Python is used for creating variables or for displaying values.
         The expression in Python produces some value or result after being interpreted by the Python interpreter.
         6. After running the following code, what does the variable bacon contain?
In [14]:
         bacon = 22
         bacon + 1
In [17]: The variable bacon contains an integer value.
         type(bacon)
         simply giving '+' sign to bacon it cannot we have to assign it like bacon +=1.
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Out[17]:
In [18]: 7. What should the values of the following two terms be?
          'spam' + 'spamspam'
          'spam' *3
In [19]: First one is doing concating two strings using '+' operator.
         Second one is doing replicating using '*' operator.
In [21]: print('spam' + 'spamspam')
         print('spam' *3)
         spamspamspam
         spamspamspam
In [22]: 8.Why is eggs a valid variable name while 100 is invalid?
In [23]: eggs is a valid variable because, a variable can be start with a letter.
         100 is invalid variable because, a variable cannot be start with an number.
         9. What three functions can be used to get the integer, floating-point number, or string version of a value?
In [25]: The int(), float(), and str() functions will evaluate to the integer,
         floating-point number, and string versions of the value passed to them.
In [26]: 10. Why does this expression cause an error? How can you fix it?
          'I have eaten' + 99 + 'burritos'.
In [28]: This causes an error because a string cannot be concatenated with a number.
         We can fix it by enclosing 99 with in a double quote.
         print('I have eaten' + '99' + 'burritos')
         I have eaten99burritos
```