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.

\*

'hello'

-87.8

-

/

6

Answer :

Values : ‘hello’ , -87.8 , 6

Expressions : \* , - , / , +

2. What is the difference between string and variable?

Answer : A string is a kind of variable and variables are something which stores some values and that value can be altered.

3. Describe three different data types.

Answer : integer , string , lists

4. What is an expression made up of? What do all expressions do?

Answer : An expression contains both operands and operators and it will perform operations based on the operators given.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

Answer : An expression is a set of operators and operands ; if an expression is evaluated and assigned a value , it is known as a statement.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

Answer : 22

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Answer : spamspamspam

spamspamspam

8. Why is eggs a valid variable name while 100 is invalid?

Answer : Because a variable name should start with a uppercase or lowercase alphabets(A-Z or a-z) or an underscore.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Answer : int() , float() , str()

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

Answer : we cannot concatenate a string with an integer.

Correct expression : ‘I have eaten’ + ‘99’ + ‘burritos’