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.

Ans: \* is expresion

&#39;hello&#39 is value

-87.8 is value

- is expression

/ is expression

+ is expression

6 is value

2. What is the difference between string and variable?  
Ans: **String** is a primitive data type and contains a collection of alphabets, words, other characters etc.   
**Variable** is a container which is used to store some values and expressions or a combination of both.

3. Describe three different data types.  
Ans: **String**- String is a primitive data type and contains a collection of alphabets, words, other characters etc. Eg- ‘ineuron’

**Int**- Int is a data type having whole numbers without the fractional part. Eg- 4

**Float** - Float is a data type having whole numbers with the fractional part. Eg- 7.55

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

Ans- Expression is made up of operators and operands. It gives a final value.

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?  
Ans- An expression always evaluates to a value whereas a statement can be used for creating or displaying a variable.

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

bacon = 22

bacon + 1  
  
Ans- 22

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

&#39;spam&#39; + &#39;spamspam&#39;

&#39;spam&#39; \* 3

Ans- Same as written.

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

Ans- A variable name must start with a letter or underscore.

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

Ans- int(),float() and str() respectively.

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

&#39;I have eaten &#39; + 99 + &#39; burritos.&#39;

Ans-It has an invalid syntax.