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

**Values: String:- ‘hello’ , Int:- 6 , Float: -87.8**

**Expressions:- \* - / +**

2. What is the difference between string and variable?

**String is type of variable.**

**Variable is used to store value.**

3. Describe three different data types.

**String**

**Integer**

**Float**

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

**Expressions are made up of different operators, variables, value etc. and always evaluated for single value**

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

**Statement may or may not give any output/result value. Expression always results a value**

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

bacon = 22

bacon + 1

**23**

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

'spam' + 'spamspam'

'spam' \* 3

**spamspamspam**

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

**Variable name can’t start with number**

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

**type function**

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

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

**'I have eaten ' + ‘99’ + ' burritos.'**