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.

\* : **expression**

'hello' : **value**

-87.8 : **value**

- : **expression**

/ : **expression**

* : **expression**

6 : **value**

2. What is the difference between string and variable?

**String is used to store text and variable could store numerical values**

3. Describe three different data types.

**Integer : integer numbers are stored**

**String : characters and text are stored**

**boolean : Either True or False is stored**

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

**Expression is made up of operations like numerical, comparison etc. Expressions gives a value after the operation is performed.**

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

**Statements are made of expression and it evaluates to something like assignement, print statements etc. But expression gives a value after an operation.**

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' : **spamspamspam**

'spam' \* 3 : **spamspamspam**

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

**Valid variable name should start with a character. Numerical can follow them while cannot start with number. So eggs is a valid variable name but 100 is not.**

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

**int(), float(), str()**

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

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

**99 is a int type but strings can be only concatenated. Correction: 'I have eaten ' + ‘99’ + ' burritos.'**