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?

Variables are used to hold data in any data type.

String is a data type and this character type data can be stored in variable

3. Describe three different data types.

Int, str, float and bool.

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

Expression has mathematical operator. All expression do some sort of computation.

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

Expression has mathematical operator. All expression do some sort of computation

Statements are used to form a program. There are different type of statements like control statements, decision making statements etc.

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?

Variable can be a string and an alphanumeric. If it is an alphanumeric , variable name should not start with an integer(1egg is not acceptable, but eeg1 is possible). Variable name cant be an integer

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.'

Because 99 is an integer and it cant be concatenate with strings.we should convert the integer 99 to string either by str() function or by enclosed the value within double quotes””

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

'I have eaten ' + str(99)+ ' burritos.'