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

‘hello’, -87.8, and 6 are values.

\*,-,/,+ are expressions

2. What is the difference between string and variable?

String: it denotes characters or words

Variable: contains some value & it is getting assigned

3. Describe three different data types.

String: it contains alphabetic characters and words.

Integer: it contains numerical values without decimal

Floating number: it contain numerical values with decimal

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

Expression are made up with mathematical characters like +,-,\* etc, expressions do calculations

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

Expression is used in assignment, statement is a complete line which contains expressions and values

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

spam spam spam

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

Variable name can not be numerical , it contains numerical value but can not be complete number or start with number

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

Int for Integer value

Float for Floating point number

Str for string

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

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

Because 99 is numerical value

By converting 99 to string.