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' -values

-87.8 -values

- -exp

/ - exp

* -exp

6 -values

2. What is the difference between string and variable?

Variables are symbols in which you can store data.

String is the data which you can save in variables.

3. Describe three different data types.

Int- contains whole numerical values

Float – numbers with decimals

Complex numbers- imaginary number

String- name or text

Boolean -true or false

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

An expression is a combination of operators and operands that is interpreted to produce some other value or result.

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

Expressions can be assigned or used as operands, while statements can only be declared.

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 should be string. variable name starting with numeric value is not valid variable name

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.'

Only str are concatenated

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

Convert 99 to str ‘99’.