**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**.

\* = This is use for multiplication

'hello' = This is called string

-87.8 = Value in float

- = This operator use for subtraction

/ = This operator use for divide

+ = This operator use for Addition

6 = This is an integer value

**2. What is the difference between string and variable?**

= String: string is a type of information you would store in a variable

Variable: variable in which we can stored the information

**3. Describe three different data types.**

Integer: Integer is a whole numbers for ex: 4, 5, 67, 899

Float: Float is a number with decimal point for ex: 4.56, 56.677

Boolean: In Boolean it represent logical values for ex: True and False

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

An expression is a combination of variables and operators. All expression evaluate to a single value

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

An expression evaluates to a single value A. statement dose not.

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

**bacon = 22**

**bacon + 1**

The bacon variable is set to 22. The bacon +1 expression dose not reassign the value in bacon

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

**'spam' + 'spamspam'**

**'spam' \* 3**

Both expression evaluate to the string ‘spamspamspam’

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

Variable name cannot be begin with number so eggs is a valid variable and 100 is invalid.

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

The int() , float() and str() function will evaluate to the integer, floating point number and string version of the value passed to them.

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

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

99 is an integer value so expression cause an error and only one string can be concatenated to other string with the + operator.

The correct way is

‘I have eaten’ + str(99)+ ‘burritos’