**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 collection of characters like word, phrases, symbols.

A variable is a container for storing data values.

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

Integer, string,

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

An expression is made up of values and functions. They are interpreted and new values are generated

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

An expression is a piece of code that can be evaluated to a value, but a statement refers to a piece of code that executes a specific instruction

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

**bacon = 22**

**bacon + 1**

22

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

**'spam' + 'spamspam'**

**'spam' \* 3**

Ans:- ‘spamspamspam’

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

In pyhton a variable starts with alphabets or underscore and not by any numerical value.

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

Integer – int(input())

Float - float(input())

String - input()

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

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

Concatenation can be done with strings. Int values cannot be concatenated with string values.

O/p 🡪 can only concatenate str (not "int") to str