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.

\* [Anupam] - expressions

'hello' [Anupam] - String

-87.8 [Anupam] - Integer

- [Anupam] - expressions

/ [Anupam] - expressions

* [Anupam] - expressions

6 [Anupam] - Integer

2. What is the difference between string and variable?

[Anupam] - Variable is where we store our value and string is textual responses in variables.

3. Describe three different data types.

[Anupam] Integer such as 1,2,3

[Anupam] Float such as 22.5

[Anupam] Character such as ‘a’

[Anupam] String such as “ineuron”

[Anupam] Boolean such as True,false

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

[Anupam] Expression made of Operators, Variables. Expressions do arithmetic calculations

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

[Anupam] spam = 10. Spam is variable name, and we are storing the value 10 in spam variable.

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

bacon = 22

bacon + 1

[Anupam] 23

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

'spam' + 'spamspam'

'spam' \* 3

[Anupam] both will show ‘spamspamspam’

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

[Anupam] variable name cannot begin with number

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

[Anupam] List, Tupple, dictionary

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

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

[Anupam] Correct code will be 'I have eaten ' + ' burritos.'