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’

- ‘Expression’

/ ‘Expression’

* ‘Expression’

6 ‘Values’

2. What is the difference between string and variable?

**Python string is the collection of the characters surrounded by single quotes, double quotes, or triple quotes.**

3. Describe three different data types.

**1) – List**

**2) – Dictionary**

**3) – Set**

**4) - Tuple**

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

**An Expression is combination of operators and operands that is interpreted to produce**

**Some other value.**

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

**Statements represent an action or command *e.g*print statements, assignment statements.**

**Print ‘hello’**

**Expression is a combination of variables, operations and values that yields a result value.**

**Eg 5\*5**

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' = **‘spamspamspam’**

'spam' \* 3 = **‘spamspamspam’**

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

Ans – **The first character of variable cannot be a digit.**

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

**Integer – int()**

**Float – float()**

**String – str()**

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

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

Ans – **We cannot add string to an integer we need to convert the integer to string first.**