**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?**

Ans:- A string is a literal text string, i.e. 'Hello'. A variable is something that stores data.

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

Ans:- List, Set, Dict, Boolean

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

Ans:- Expression is made up of operators and operands. All expression will evaluate different values based on addition, multiplication, division, subtraction, modulo, etc. Expression will follow (BODMAS) rule.

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

Ans:- In an **expression**, there will be combination of different operators like arithmetic, logical operators, etc. In **assignment statements,** there will be only assignment operator.

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

**bacon = 22**

**bacon + 1**

Ans:- 23

**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?**

Ans:- Variable name are not valid if it starts with numeric value.

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

Ans:- int(), float(), str()

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

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

Ans:- 'I have eaten ' + '99' + ' burritos.'