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.

\*

'hello'

-87.8

-

/

6

**Ans.1:** Values are ‘hello’, -87.8, 6 and expressions are \*,-,/,+

2. What is the difference between string and variable?

**Ans.2:** Variable can hold any datatype value like; string, integer, float etc.

String is a combination of character of data.

3. Describe three different data types.

**Ans.3:** Numeric data type likeinteger, float

String data type like str

Sequence data type lile list, tuple, set

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

**Ans.4:** A combination of operators and operands; x=x+10

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

**Ans.5:** Statements are used to create variable and expression hold result of some operations.

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

bacon = 22

bacon + 1

**Ans.6:** 22

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

'spam' + 'spamspam'

'spam' \* 3

**Ans.7:** Two terms will produce same value as spamspamspam

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

**Ans.8:**  eggs is valid variable name while 100 is not because as per variable definition in python, vairable name can not start with interger or float values.

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

**Ans.9:** int(), float(), str()

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

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

**Ans.10:**  Can’t concatenate integer value in string. To solve this error we need to use 99 as a string.

'I have eaten ' + ‘99’ + ' burritos.'