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- 'hello' and -87.8

2. What is the difference between string and variable?

ANS-

- string is a data that stored in variable.
- string can be a alphate or the combination of alphabates, variable is a symbol that contains some data.

3. Describe three different data types.

ANS-

- int(contains numeric value)
- Float(contain alphabet)
- Bool(true or false value)

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

ANS- An expression is **a 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?

ANS- expression is the combination of value while statement does not return ant value.

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-`'spamspamsapam'`

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

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.'