**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' - string

-87.8 - integer

- - mathematical operators

/ - mathematical operators

* - mathematical operators

6 - integer

**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 (per se) - it can store a string, int, float, class, etc.

we can change the variable value.

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

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

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

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

bacon = 22

bacon + 1

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

'spam' + 'spamspam'

'spam' \* 3

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

**Ans :**

Because variable names cannot begin with a number.

**Rules for Python variables:**

A variable name must start with a letter or the underscore characterA variable name cannot start with a number

A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and \_ )

Variable names are case-sensitive (age, Age and AGE are three different variables)

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

**Ans : -** The int() , float() , and str( ) functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

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