**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 - **Values**

**2. What is the difference between string and variable?**

Variable helps us to store the data in program.

String are the input which will be used to fill up variable.

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

**Int – integer(1,2,3,4,4)**

**Str- string(“asdfresdfr”)**

**Float – (234.53)**

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

Expression are made up of – variable(a,b,c,d) contacts(numerical), mathematical operators(+,-, x)

Expression gets the values and calculate based on the operations/conditions and gives the output.

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

Expression gets the values and calculate based on the operations/conditions and gives the output.

Whereas statement is like command interpreter executes like print/return.

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

bacon = 22

bacon + 1

it gives o/p as 23.

**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?**

Variable – we cant put integer as variable name. Variable can be valid at least if we put alphanumerical.

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

Str()

Int()

Float()

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

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

Integer and strings cant be concatenated and this can be concatenated by type casting.