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' **- values**

-87.8 **- values**

- **-** **expressions**

/ **-** **expressions**

* **-** **expressions**

6 **- values**

2. What is the difference between string and variable?

**String is a Datatype or a peticular type of value out of many types and Variable is a container which can store values.**

3. Describe three different data types.

**String, Integer and Boolean**

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

**An expression is made up of one or more variable & mathematical operators.  
Expressions are comprehended form of wide range of values. If value provided correctly all expressions produces a value.**

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

**Expression is creates a values upon calculations where as statement simply assigns value.**

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

bacon = 22

bacon + 1

**22**

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? **– because later point in code, there is a chance that numbers will get merged with variables and create confusion.**

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

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

'I have eaten ' + 99 + ' burritos.' **- make 99 a string as ‘99’**