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.

\* (**this is an expression**)

'hello' **(this is a value**)

-87.8 (**this is a value**)

- (**this is an expression**)

/ (**this is an expression**)

* **( this is an expression**)

6 (**this is a value**)

2. What is the difference between string and variable?

**String is a data type and a variable is a store of data. We represent string in double quates and we declared that in the variable**

3. Describe three different data types.

**Integers (1235), floats (235.15), strings (“acdj”)**

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

**Expression made up of mathematical operators. All expressions do mathematical operations like subtraction, addition, multiply, divide etc**.

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

**In expression there will be a mathematical operator**

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

bacon = 22

bacon + 1

**(Bacon will contain 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 variable name doesn’t start with an integer**.

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

**Int(), float(), str()**

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

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

**It will give error because we can only concatenate string to string. here we know 99 is an integer**.