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 float

- mathematical operator

/ mathematical operator

* **mathematical** **operator**

6 **integer**

2. What is the difference between string and variable?

**Variable holds the value , it may be string or integer . String is a character in nature which is filled in varaiable**

3. Describe three different data types.

**Integer, string, float**

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

**An expression is a combination of operators, constants and variables. An expression may consist of one or more operands, and zero or more operators to produce a value.**

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

**Statement is a instruction which interpreter can execute , expression is combination of operator , constant and variable ,all statements consist of some or other expression**

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

bacon = 22

bacon + 1

**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?

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

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

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