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.

\* **-mathematical operators**

'hello' **-string**

-87.8 **-integer**

-  **- mathematical operators**

/ **- mathematical operators**

**+ - mathematical operators**

6  **-integer**

2. What is the difference between string and variable?

**Variable=is used to store the value of any datatype.**

**String is a type of datatype, a sequence of characters enclosed in a single or double quotes.**

3. Describe three different data types.

**Float is a decimal value.**

**String a sequence of characters enclosed in a single or double quotes.**

**List stores the type of value of any datatype.**

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

**Expressions are used to produce some value. They contains operators and operands.**

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

**Expressions are used to produce some value. They contains operators and operands.**

**Statement is only used for declaration.**

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?

**Because as per the rules of writing a variable, it can only be start with the underscore or alphabet not with the digits.**

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

**int(value)**

**float(value)**

**string(value)**

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

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

**The above expression shows concatenation, we cannot concatenate integer with the string together.**

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

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