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'

-87.8

-

/

6

**Answer : Values(-87.8, 6) and expressions (\*, -, / , + )**

2. What is the difference between string and variable?

**Answer : String is a data type and variable is an object which stores property of datatype**

3. Describe three different data types.

**Integer : the datatype which stores a whole number**

**Floats : the data type which stores a fractional number**

**String : the data type which stores alphabets and words.**

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

**Expression is made up of operators and operands. Expressions do arithmetic and logical operations**

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

**Expressions have operators but statements don’t have operators**

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

bacon = 22

bacon + 1

**bacon contains 23**

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

**'spamspamspamspamspamspamspamspamspam'**

8. Why is eggs a valid variable name while 100 is invalid?

**Variable names should have alphabets.**

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.'

**99 is not a string. Use this 'I have eaten ' + ‘99’ + ' burritos.'**