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.

\*

&#39;hello&#39;

-87.8

-

/

+

6

Ans: hello ,87.8 and 6 are values , Rest all are expressions

2. What is the difference between string and variable?

Ans:Variable is the name of a memory allocation which is used to reference the memory location. String is a data type which can be stored in memmory

3. Describe three different data types.

Ans: 1) Numeric type: Integer ,float ,complex

2) Text : string

3)List :

4)Boolean : store true or false

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

Ans: Expressions are made up of mathematical or logical operators . It evaluates and we get a result which can be used for further Computing

EG : 1+2 =3

If(a>b)

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?

Ans: An expression evaluates and gives a value . Statement does not

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

bacon = 22

bacon + 1

Ans: 22

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

‘spam’+ ‘spamspam’

‘spam’\* 3

Ans: spamspamspam for both

30

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

Ans: a variable cannot start with a number

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

Ans: Int(),float(),str()

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

‘I have eaten’ + 99 +’ burritos’

Ans: python can concatenate only similar data types . That is string must be concatenated with String