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

Ans1 )values:-'hello',87.8,6

2)Mathmatical Expressions;-\* ,-, /

2. What is the difference between string and variable?

Ans)1)Variable is a kind of entity to store the data

2)String is a datatype which can represent the series of characters

3. Describe three different data types.

String :-String is a datatype which can represent the series of characters

Interger : we can use int datatype to represent the whole numbers

complex :-a complex number consist of real number and imagenary number

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

Expression: 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.

1)Bitwise expression

2)constant expression

3)pointer expression

4)floating expression

5)relational expression

6) logical expression

7)integral expression

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

Expression is made up of values, containers, and mathematical operators

statement is to print the varible by using python interpreter

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

bacon = 22

bacon + 1

Ans = 23

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

'spam' + 'spamspam'

Ans 'spamspamsapam'

'spam' \* 3

Ans 'spamspamsapam'

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

ANS)Identifiers should not start with digits

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

ANS)str(),float(),INT(),

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

'I have eaten ' + 99 +

' burritos.'

Ans)'I have eaten ' + str(99) +' burritos.'