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.

Ans:

\* - Expression

'hello' - Value

-87.8 - Value

- -Expression

/ -Expression

+ -Expression

6 -Value

2. What is the difference between string and variable?

Ans:String is a data type to store collection of charaters stored in a variable

Variable is a location where data of all the types can be stored or Assigned.

3. Describe three different data types.

Ans:

a)String

b)Integer

c)Complex

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

Ans:Expressions are made up of operators and operands which is interpreted to produce output.

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

Ans:Expression is operation which system executes to produce a new value after a interpretation.

Statement is just a line which gets displayed as it without any change.

spam=10 is an expression

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"

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

Ans:Variable cannot be started with a digit.So 100 is a invalid variable.

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