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.

\* -EXPRESSION

'hello'- VALUE

-87.8-value

- expression

/ expression

* expression

6 value

2. What is the difference between string and variable?

String is a series of characters.anything inside quotes it consider as string.

Variable is a pointer to an object.once an object is assigned to the variable,we can refer to the object by that name.

3. Describe three different data types.

1.Numeric(int,float,complex)

2.boolean

3.sets

4.sequence(string)

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

An expression is a combination of operators and operands,which can give the other values

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

Expression means combination of values,operators.

Statement means an action or command it does something.

Ex.if,loop

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'

'spam' \* 3

Spamspamspam

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

Variable means we can begin with alphabet not with number.so thats why eggs is valid variable and 100 is invalid.

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

Integer—int()

Floating\_point number----float()

String----str()

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

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

We can concatenate only string not integer.so thats why we can get error.