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'=string

-87.8=float

- =expression

/ =expression

* =expression

6 =integer

2. What is the difference between string and variable?

String: string means the integer or a word is in “ “ and which will get print as it is written in the (“ “).when a string contains number then it is still a string. and for string + means concatenate.

Variable: variable is the element which reserve the memory to store the values for.

For e.g. x=2+5 that means,x is storing a value of 7 and when we will be printing x the value we will get is 7 which means x is a variable storing a value of 7.

3. Describe three different data types.

They can be :

1.text type:means the strings.

2.boolean:something which can be determined as either of TRUE or FALSE.

3.numeric type:that is something in int(9) ,float(9.54),complex(4+9j).

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

The expression is made up of certain symbols of mathematics and they can do as follows

>>>>>

+=addition

-=subtraction

\*=multiplication

/=divide

%=gives the remainder of

== anything which is equals to

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

>>>Here the spam Is the variable holding the value of 10

and the expression gives the value where the statement can be written in the strings for the printing purpose.

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

bacon = 22

bacon + 1

>>>the variable bacon may contain is the value of 23

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

'spam' + 'spamspam'

'spam' \* 3

>>>the values of the above term can be

spamspamspam

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

>>>The rule says that the variable name can only initiate with letters (may be capital or small)and cannot get initiate with numbers or a special character .

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

>>>For integer=int()

for floating point=float()

for string version of value=str()

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

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

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