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' Values

-87.8 Values

- Expression

/ Expression

* Expression

6 Values

2. What is the difference between string and variable?

String have Double quates at both side any value like x = “ Spam” , here x has string data

Variable don’t have any quates like x = spam ,here x has variable

3. Describe three different data types.

Boolean,string,integer

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

Expression is made up of operator and values. SUM , multiplication, converting the data type ,subtraction etc are the some operation which we could do

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

Statement have fixed value in defined variable but in expressions data can be changed on defined variable

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

bacon = 22

bacon + 1

bacon value will be 22 only .

next code line(22 +1) is just doing the sum only , here bacon variable is not been updated

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

'spam' + 'spamspam'

'spam' \* 3

Both have the same output

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

100 is integer that’s why it is invalid variable name

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

int()

float()

str()

these are three function which will convert the value into the desired data type.

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

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

99 is integer, here we are trying to merge string data but in between that “99” is integer so it will show the error .

Solution:

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