1.

What are the differences between operators and values in the following?

\* : Multiplication Operator

'hello' : A string value

-87.8 : An negative integer value

- :Subtraction Operator

/ :Division Operator

+ :Addition Operator

6 :An positive integer value

2.

What is the difference between string and variable?

Variable: A variable is a container in programming that holds value in it.

String: String is a data type in programming that represents a data inside ‘ ‘.

Eg: ‘spam’

3.

Describe three different data forms.

Ans: Integer- it is normal numbers(ex:7)

Boolean- this is either True of False

String- anything wrapped inside “ “ or ‘ ‘(ex:”hello”)

4.

What makes up an expression? What are the functions of all expressions?

Ans: variable, operator and numbers make an expression.

5.

In this chapter, assignment statements such as spam = 10 were added. What's the difference between a declaration and an expression?

Ans: Declaration is defining the properties of an identifier.

Eg: a=1

Expression is a combination of variable,operator and numbers that need to evaluated to get a value

6.

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

bacon = 22

bacon + 1

Ans: bacon contains 22 as you didn’t assign the incremented value to bacon

7.

What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Ans: ‘spamspamspam’

8.

Why is it that eggs is a true variable name but 100 is not?

Ans: Programming follows some rules and according to then we can’t have a number at the beginning of a variable name and we can see 100 is an integer so that is why eggs is a true variable and 100 is not

9.

Which of the following three functions may be used to convert a value to an integer, a floating-point number, or a string?

Ans: integer-int()

float-float()

string-str()

10.

What is the error caused by this expression? What would you do about it?

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

Ans: can only concatenate str (not "int") to str

This is the error caused by it.

We can do the following

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