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

\*

'hello'

-87.8

-

/

+

6

Ans: The operators like \*, -,/, + are used to perform mathematical operations inside the python environment where as “hello” is a string type object, -87.8 is float value, 6 is int type object.

2. What is the difference between string and variable?

spam

'spam'

Ans : String is a data type and variable is an object for which a value is assigned.

3. Describe three different data forms.

Ans: Int, string, Float

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

Ans : A variable and a data type assigned to it makes up the 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 means just defining the data type and name of variable. Expression is combination of mathematical operations and values.

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

Ans : A variable should start with numerical (int) value.

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: By using type option and by directly give type you want to convert to.

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

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

Ans: Concatenation can be done only for string values, we need to convert 99 into a string “99”.

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