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

\*

'hello'

-87.8

-

/

+

6

Ans : Operators signify the kind of operations is being applied in variables.

Values means constants or characters in which operations performed by using operators.

2. What is the difference between string and variable?

spam 'spam'

Ans : String is a character or collection of characters.

Variable specifies the kind of data type eg. integer,float,string etc.

3. Describe three different data forms.

Ans : Integer data type accepts only integer value like 1,2,3,-8 etc.

Float data type accepts decimal values like 1.1,2.0,4.4 etc.

String data type accepts only character as data like ‘ram’,’shyam’ etc.

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

Ans: Operators, variables and constants or any particular section of code which consist of anyone of these forms an expression.

In function expression function stored in variables they don’t required function names.

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 assigning value to operands which will define its data type,Expression consist of any of operators, operands and constants. So all declaration is an expression but all expression may or may not be declaration.

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

bacon = 22

bacon + 1

Ans: 23

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

'spam' + 'spamspam'

'spam' \* 3

Ans: 1st Term : ‘spamspamspam’

2nd Term: ‘spamspamspam’

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

Ans: True Variable is used to define any data type but 100 is a constant which is used by variable for assignment and declaration.

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:

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

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

Ans: Only concatenate string type of error caused by this statement.

For removing this error we have to put quote in 99.

'I have eaten ' + ‘99’ + ' burritos.'