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

\*

'hello'

-87.8

-

/

+

6

Ans. \*, /, + are the operators and -87.8 and 6 are the values

2. What is the difference between string and variable?

spam

'spam'

Ans.’spam’ is a string and spam is a variable. String always enclosed in a single quote or double quote .

3. Describe three different data forms.

Ans.integer,float,complex ,list

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

Ans.cobination of literals and operators makes up an expression.expression does some operation based on operaror and produces one value.

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

Ans. Expression does some task and generates a value ,where as declaration or statement does not.

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.’spamspamspam’ in both cases

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

Ans.variable should start with an alphabet not with integer.

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.int,float,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 string , not integer