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

\* : Operators

'hello' : operator

-87.8 : values

- : Operators

/ : Operators

+ : Operators

6 : values

Ans : Operator can helps for variable & values is just put a number or anything else.

2. What is the difference between string and variable?

spam : Variable

'spam' : String

Ans : String is defined by " or ' in this " \_\_" you can write anything else and variable can define anyone else like a,b,c or spam, jam etc

3. Describe three different data forms.

Ans : integers : 0 to other number

floting number : point number (.6 /1.6/2.8)

complex number : 65 + 45j (when you run type this is complex number bcz only j has show in complex number

boolean : it is basically truth or false show.

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

Ans. expressions is nothing its is showing represented of symbol.

add (+) + sign is a expressions

these expressions can help writer a code with these all king of expression (+,/,\*,-,#,""" """)

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

Ans. = sign is a expression which is help to declaration. spam and 10 is declare a statement & value

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

bacon = 22

bacon + 1

The bacon variable is set to 22. when we need to reassign bacon = bacon+1

= 23 value

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

'spam' + 'spamspam'

Ans. spamspamspam

'spam' \* 3

Ans. spamspamspam

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

Variable names cannot begin with a number.

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

int(), float(), str()

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

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

Ans. all are string expect 99 because it is a integers value.

so correct code is : "I have eaten" +"99"+"burritos."

"" expression are missing in this code