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

\* :- It is a multiplication operator

‘hello’ :-It is a string operator

-87.8 :- Float value

- :- Subtraction operator

/ :- Division Operator

+ :- Addition Operator

6 :- Integer Value

2. What is the difference between string and variable?

Spam :- A variable is space where we store information, and giving a name to that stored value.

‘spam’:- Any value or name written under single or double quote is declared as string.

3. Describe three different data forms.

The three data data forms are integer, floating point and Boolean

* Integer are positive or negative numbers
* Floating point is a number with decimal
* Boolean type is when data gives only two answer that is True or false

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

* Expression is a combination of any value, variable , operator etc which can appear on the right hand side of the assignment statement,
* Expression can be used to assign values to any thing or it can be used to print.

5. In this chapter, assignment statements such as spam = 10 were added. Whats the

difference between a declaration and an expression?

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

bacon = 22

bacon + 1

* Variable bacon will contain an integer value 22
* If it is bacon= bacon +1,then the value of bacon will be 23.

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

Out[1]:

'spamspamsmap'

‘spam’ \* 3

'spamspamspam'

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

* Becaues 100 is a integer value so it cannot be a variable whereas eggs is not defined so it can be a variable

9. Which of the following three functions may be used to convert a value to an integer, a

floating-point number, or a string?

* For integer we simply have to write value as it is

Eg) a=3

* For floating point a=3.0
* For string a=’ 3’

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

‘I have eaten’ + 99 + ‘burritos.’

The error caused  **TypeError**: can only concatenate str (not "int") to str

99 is a integer type . so we have to type ‘99’ to add them.