1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\* = operator(multiplication)

'hello' = String(values)

-87.8 = Integer(Value)

- = Operator(Minus)

/ = Operator(divide)

+ = Operator(Plus)

6 =Integer(value)

2. What is the difference between string and variable?

String is part of variable. String is the type of variable where it contains texted letters or words. Where as variable may be string, integer, floating Number, composite Number

3. Describe three different data types.

Integers, Floating Numbers, Strings, Composite Number

4. What is an expression made up of? What do all expressions do?

Expression made up of different types of operators. The combinations of different operators or operations in one variable is called expression

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

Expression is the combination of operators and operations where as statement is the only texted massage which will not run in the program. We will use # or “ ” symbols to use the statemants.

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 eggs a valid variable name while 100 is invalid?

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Int(), float(),str()

10. Why does this expression cause an error? How can you fix it?

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

We cant do concatenation with string and integer.we have to type cast integer value into string

‘I have eaten’+ str(99)+’burritos’