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.

\*

‘hello’

-87.8

-

/

+

6

Ans: Values are ‘hello’ , -87.8, 6

Expression are \*, -, /, +,

2. What is the difference between string and variable?

Ans: String are the data which is between the “” and use them to fill up the variables.

Variables are the symbols that can use to store data in program.

3. Describe three different data types.

Ans: Boolean, Numeric,

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

Ans: An expression is a combination of operators and operands that is interpreted to produce some other value. An expression is a evaluated per the precedence of its operators.

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

Ans: A expression evaluates a single value whereas statement does not.

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

bacon = 22

bacon + 1

Ans: The bacon variable is set to 22. The bacon + 1 expression does not reassign the value in bacon if we write this: bacon = bacon + 1 then it would be run.

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

‘spam’ + ‘spamspam’

‘spam’\* 3

Ans: ‘spamspamspam’ both the terms will give this final answer.

8. Why is eggs a valid variable name while 100 is invalid?

Ans: As we know that variables cannot begin with the numbers.

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

Ans: For integer: int()

For floating-point numbers: float()

For string version: str()

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

‘I have eaten ‘ + 99 + ‘ burritos.’

Ans: The given expression cause an error because 99 is an integers and only str can be concatenated with the other str with the operators.

By written this type ‘I have eaten ‘ + str(99) + ‘burritos.’