Assignment 1

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.*

*Ans: Operator: \*, -, /, +*

*Value: hello, -87.8, 6*

2. What is the difference between string and variable?

*Ans: String is like “Hello”*

*Variable is like a = 50*

3. Describe three different data types.

Ans:

* *Integer: any number greater than or equal to 0.*
* *Float: all numbers*
* *String: alphabet or anything written between “”*

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

*Ans: An expression is a combination of values, variables, operators, and calls to functions.*

5. This assignment statements, like spam = 10. What is the difference between an

expression and a statement?

*Ans: In this case a variable is define which Is = to 10. Whereas a statement is usually more than 1 liner*

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?

&#39;spam&#39; + &#39;spamspam&#39;

&#39;spam&#39; \* 3

Ans: Output will be “spanspanspan” in both the cases

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

Ans: As per rules, variable can be start with alphabets or \_ but not with numbers

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

version of a value?

Ans: int(), float(), and str()

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

&#39;I have eaten &#39; + 99 + &#39; burritos.&#39;

Ans: Because we are adding 2 different data type i.e string to integer