Python\_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. Expression:- \*, -, /, +

Value:- ‘hello’, -87.8, 6

1. What is the difference between string and variable?

Ans. String is a data type in python while variable is a symbol or word where you can store information. String is a type of information that can be stored in a variable.

1. Describe three different data types.

Ans. a. Integer -> It defines numbers which include negative as well positive numbers but should not contain decimal point.

b. Float -> It defines numbers with decimal point.

c. Boolean -> It defines only 2 values “True” and “False”

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

Ans. Expression is combination of varibles or numbers and operators. They perform a set of operations.

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

Ans. Statement are just assigning values to a variable or stating something while expression will perform the function and give an output.

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

bacon = 22

bacon + 1

Ans. 22

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

‘spam’ + ‘spamspam’

‘spam’ \* 3

Ans. spamspamspam

Spamspamspam

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

Ans. Because variable names cannot begin with a number.

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

version of a value?

Ans. The **int() , float() , and str( )** functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

‘I have eaten’ + 99 + ‘burritos’

Ans. Because we are trying to concatenate an int value with string which is not possible. Only string values can be concatenated to string.