**Assignment – Python -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.

\*

&#39;hello&#39;

-87.8

-

/

+

6

Ans: 6

2. What is the difference between string and variable?

Ans:

Variables are symbols that you can use to store data in a program. You can think of them as an empty box that you fill with some data or value. Strings are data, so we can use them to fill up a variable. Declaring strings as variables can make it easier for us to work with strings throughout our Python programs.

3. Describe three different data types.

Ans:

1 – Int (Integer Numbers)

2- float ( Floating point number)

3 – str – (String & Characters)

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

Ans:

An expression is a construct made up of variables, operators, and method invocations, which are constructed according to the syntax of the language, that evaluates to a single value.

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

expression and a statement?

Ans:

The Main Differences Between an Expression and a Statement in Programming. Expressions can be assigned or used as operands, while statements can only be declared. Statements create side effects to be useful, while expressions are values or execute to values.

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

bacon = 22

bacon + 1

Ans: 24

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

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

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

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

Ans:

Why is eggs a valid variable name while 100 is invalid? Variable names cannot begin with a number

9. 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

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

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

An:

The expression causes an error because **99 is an integer, and only strings can be concatenated to other strings with the + operator**.