Assignment – 1

**Ques - 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 – (a) . \* = Multiplication

(b) . ‘hello’ = String

(c) . -87.8 = floating

(d) . - = subtraction

(e) . / = Division

(f) . + = Adding

( g). 6 = integer

**Ques - 2. What is the difference between string and variable?**

Ans – A variable is a stored of information , and string is a type of information you would stored in a variable.

Example = string is just like a word.

“Eg string ” = “I Love My india”

Variable string

**Ques - 3. Describe three different data types.**

Ans - 1. Integer = it is used to store a number.

Example - a = 1

2. String = It is a sequence of the character of data.

Example - DF = “Datafram”

3. Boolean Data type = It is represent the truth value of expression.

Example – 1==1 is true and 2<1 is False

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

Ans - An expression is a combination of the operators and operands that is interpreted to produce some other value.

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

Ans - Expressions are representation of the value. That are different from the statement in these facts the statement does somethings while expression is represent the value.

Instruction that a python interpreter can execute are called statement for example = 10.

**Ques 6- After sunning the following code, what does the variable bacon contains?**

bacon = 22

bacon + 1

Ans - Bacon contain 22.

**Ques 7- what should the value of the following terms be?**

Ans - 'spam' + 'spamspam' == spamspamspam

'spam' \* 3 == spamspamspam

**Ques 8 – why is eggs a valid variables name while 100 is invalid?**

Ans - Variable name cannot being with Number only three function can be used to Floating, string and integer.

**Ques 9 – What three function can be use to get the integer, floating-point number, or string version of the value.?**

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

**Ques 10 – Why does this expression causes this error? How can you fix it?**

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

In this line of a code there are two string and one integer due to the concatenate actually can only perform str to str not int . If execute this line, use the type casting int to str then code run smoothly.