**PYTHON BASIC ASSIGNMENT**

**Assignment -1**

**Answer 1:**

\* expression

‘hello’ value

-87.8 value

- expression

/ expression

+ expression

6 value

**Answer 2:**

String is a datatype which used to hold alphabetical values or elements within double or single quotes. eg: “hello123”

Variable stores integer values or string values. We assign numbers or any input to the variables. eg: x = 23 , y = “hello”

**Answer 3:**

Int: In integer datatype we have numeric values i.e. integer values other than fraction.

Float: In Float datatype also we have numeric values but it has all the integer values including fraction i.e. all the real numbers

Boolean: In Boolean datatype we have iterators either True or False which can be denoted by 0(False) and 1(True)

**Answer 4:**

Expression is a combination of operators and operands that produces some values.

Expressions are used to evaluate or produce some values according to the use case.

eg:

a=10

b=5

x = a/b (this is an expression)

**Answer 5:**

Expression is a combination of operators and operands which produces an output whenever it is used. eg: x = 2+4 ; whereas statement is any declaration or command. eg: print(x)

**Answer 6:**

22

**Answer 7:**

‘spamspamspam’

‘spamspamspam’

Answer 8:

100 cannot be used as a variable name as it is a numeric value whereas eggs is a name which is valid according to python documentation.

Answer 9:

Integer – int

Floating-point number – float

String – str

Answer 10:

They cannot be concatenated because 99 is a integer value whereas rest 2 are string values so this raises a problem of type-casting.

We can fix it by changing 99 into string value.

‘I have eaten’ + str(99) + ‘burritos.’