1. Values:

‘hello’

-87.8

6

Expression:

\*

-

/

+

1. Difference between String and Variable:

String: In simple terms string is a datatype in programming. we can call ‘String’ is a text/alphanumeric values.

Variable: It is a temporary storage unit/place where data/expression is loaded like formula/string/number/ for certain time until the execution of particular query/program code run.

1. Three different types of data types:
2. Numeric: It is used to store numeric values.

e.g: Int, float

1. String: It is used to store/load alphanumeric values/characters.

e.g: str

1. List: It is used to store collections of diff datatypes.

e.g: {“Sandeep”,”31”}

1. Expressions are made up of values, containers, and operators(operands).

e.g., s = 4+3

It is used to evaluates the values.

1. Expression is made up of values, containers and operator(operands).

Statement is in simple way we can say that it is a command to execute.

1. bacon = 22

bacon + 1

When we execute the above code we get the value for bacon is 23.

1. For the below expressions, we will get the same solution/answer when we execute the python codes: as ‘spamspamspam

‘spam’ + ‘spamspam’

‘spam’ \* 3

1. As per python syntax rules. A variable name can start with alphabets but not with numbers.
2. a. To get an integer: The function ‘int()’ is used

b. To get floating pointer number: The function ‘’ is used

c. To get String version of a value: The function ‘str()’ is used

1. The error in the given expression is

‘I have eaten’ + 99 + ‘burritos’

Explanation: In the above expression, we are adding the numeric datatype and string datatype, which causes syntax error. So, to make expression run, we need to convert the 99 into string using ‘Str’ function/typecasting. Then expression works.