1. \* is an expression

‘hello’ is a value

-87.8 is a value

- is an expression

/ is an expression

+ is an expression

6 is a value

1. **String** is a Data Type in Python which is 1 or series of characters enclosed in single or double quotes or even triple quotes For example-

“Pallavi”, ‘Hello’, ”Pallavi&%1256”, ”””I am Completing my assignment 1 of Full Stack Data Science Course”””

**Variable** is a container that holds a data value. The value it holds is temporary. For example-

If p=23 declared initially,python will consider p an an integer data type but if later p is assigned different value say p=”Course”, now p is considered as a string. Variables are case sensitive as

p=12

P=21

Both are two different variables

1. String, Integer & Boolean are three different data types in python amongst others.

**String** is a data Type which is series of characters enclosed in single, double or triple quotes.For example- s= “iNeuron” , S=’123’

**Integer** data type holds positive, negative whole numbers together with zero. For example-

X=82, A=-21 , b=0 are all integers.

**Boolean** is another data type which represents either True or False value. For example-

1<2 is True, 21==22 is False.

1. Expression can consist of 1 or more operands & zero 0r more operators to provide a value. For example-s+3,(3+7)/2
2. Statement is an instruction that the python interpreter can execute. Apart from assignment statements, there can be while, for, if-else statements.

Expression is the combination of values, variables, operators, operands. An expression needs to be calculated. When expression is evaluated, it produces a value. A value is an expression so as variable.

1. bacon=23
2. “spamspamspam”

“spamspamspam”

1. A variable name can’t be a number. Variable name can only be alphanumeric characters & underscore. It can only start with alphabet or underscore. So, eggs is a valid variable name & 100 is invalid variable name.
2. int() will be used to get the integer value, float() is used to get the floating point value & str() is used to get the string value
3. It gives error which says “TypeError: can only concatenate str (not "int") to str” as 99 is the number. So string can’t be concatenated with int.

It can be corrected by converting int to str as-

"I have eaten" + " 99 " +" burritos "

Or

"I have eaten" +" "+ str(99)+ " "+" burritos"