**PYTHON BASIC ASSIGNMENT 1**

**1.** values: ‘hello’, -87.8, 6

Expressions: -, /, +, \*

**2.** String is a data type for a sequence of characters i.e. Something that can assigned to a variable where as variable store the data.  
For example: x=’Camera’. Here x is a variable that is storing a string ‘Camera’.

**3.** three different data types are:

a. Integer: integers are basically numbers (both positive and negative)  
 for example: n=17, m= -12, p=0  
 b. float: these contain both positive and negative decimal numbers.  
 for example: g=0.12345, h= -12.789, i=153223.99  
 c. string: these contain sequence of characters.  
 for example: s=”Vaishnavi”, str=”Assignment”

**4.** Expression contains operators and operands. For example: 1+4

It produces values or results by reducing down to a single value.

5. Expression can be reduced where as statement cannot. For example: num=50+60 is an expression as it can be reduced to 110, but sum=50+60 is a statement. Expressions are part of statement.

6. 22  
  
7. i/p-> ‘spam’ + ‘spamspam’ o/p-> spamspamspam  
i/p-> ‘spam’\*3 o/p-> spamspamspam

8. variable name can not start with a number that is why 100 is invalid.  
variables can only contain alpha-numeric characters and underscore and eggs are alphabets only that is why eggs is a valid variable.

9. int() for integer, float() for floating-point number, and str() for string can be used.

10. This causes an error because 99 is an integer which is being added with string. Strings can be concatenated to other strings only using + operator.  
To fix this, we can convert 99 to ‘99’ which means making it a string and then concatenating it with other strings. ‘I have eaten’+str(99)+’burritos.’