ASSIGNMENT -1

1) 1) ***** **->** expression
   'hello' **->** value
   -87.8 **->** value
   - **->** expression
   / **->** expression
   + **->** expression
   6 **->** value

2) String:
   A string **is** a sequence of characters enclosed within the single **or** double quotes.
   Can contain any letters, digits, special characters.
   Variable:
   Where **as,** a variable **is** a name given to a memory location to store values.
   Variables cannot be a keyword.
   Variables cannot start **with** '$'sign **or** any special character.
   Can start **with** '_' underscore.

3) Integer:
   Whole numbers comes under integers datatype.
   'int' keyword **is** used to denote the integer datatype.
   Float:
   Numbers **with** decimal values are stored **in** this format.
   'float' keyword **is** used to denote the float datatype.
   String:
   String **is** a sequence of characters enclosed within a single **or** double quotes.
   'String' keyword **is** used to denote the string datatype.

4) Expressions are made up of operators **and** operands.
   Expressions are evaluated based on the precedence of the operators to produce a value **or** result.

5) The expression **in** Python produces some value **or** result after being interpreted by the Python interpreter.
   A statement **in** Python **is not** evaluated **for** some results.
   Every expression **is** a statement but every statement need **not** be an expression.

6) bacon = 22
   bacon + 1
    For the following code after execution the bacon contains the value 22.

7) 'spam'+'spamspam' = spamspamspam
    'spam'*3 = spamspamspam

8) eggs is a valid variable name while 100 is invalid because the variable name can start with a letter but not with a digit.

9) int(), float(), str() functions can be used to get the integer, floating-point number, or string version of a value.

10) 'I have eaten'+99+'burritos'
    This expression causes an error because the String and int type cannot be concatenated.
    We can ony concatenate two strings.
    So to make the above expression to work we need to convert the integer type to string type by enclosing the number within the single or double quotes.
    'I have eaten'+'99'+'burritos'