

ANSWER 1.)

```
* = EXPRESSION
-87.8 = VALUE
- = EXPRESSION
/ = EXPRESSION
+ = EXPRESSION
6 = EXPRESSION
```

ANSWER 2.)

A string is a character which remain inside the Parentheses.

A variable is an object which the user defined and the data is being stored.

ANSWER 3.)

In python there are 7 types of data type:

- a. integer
- b. float
- c. complex
- d. string
- e. tuple
- f. list
- g. dictionary

ANSWER 4.)

Expression are made of constraint, Arithmetic, Integral, Floating, relation, Logical, Bitwise.

An expression is a combination of operators and operands that is interpreted to produce some other value.

ANSWER 5.)

A "statement," which is just a single unit of execution and returns nothing, is different from a "expression," which is a mixture of values and functions that are combined and processed by the compiler to create a new value.

In [1]:

#ANSWER 6.

```
bacon=22
bacon+1
```

Out[1]:

23

In [1]:

```
#ANSWER 7.
```

```
'spam'+'spamspam'  
'spam'*3
```

```
-----  
TypeError                                Traceback (most recent call last)  
~\AppData\Local\Temp\ipykernel_11248\4272680833.py in <module>  
      2  
      3 'spam'+'spamspam'  
----> 4 'spam'*3
```

TypeError: unsupported operand type(s) for ** or pow(): 'str' and 'int'

ANSWER 8.)

Egg is valid variable and 100 is not because variable should always start with a character and can end with an integer but without a space

ANSWER 9.)

INTEGER= int
FLOAT = float
STRING = it doesn't have any function. python takes string as default.

ANSWER 10.)

String and Integer cannot concatenate together for that we have to use a function called "str" to change the datatype of 99 as string. And then it can concatenate.