:Assignment_1:

1>Ans: values: 'hello', -87.8, 6 and expression: * , -, /, +

2>Ans: A variable is the named memory locations where we can store values. Strings are numbers of character(s). We can denote in python with help of single quotes('helllo') or double quotes ("hello").

3>Ans: Different data types are :

Numeric data types: int, float, complex

text data type: str

Boolean data type: bool

Set Types: frozenset, set

Mapping data type: dict

Sequence data types: range, tuple, list

4>Ans: Expression is a combinations of variable, values & operators. It helps for finding results or assigning values.

*A statement is an instruction that the Python interpreter can execute.

*An expression displays the result.

5>Ans: spam = 10, here we assign value 10 under spam variable, so we use expression is 'spam = 10' and statement spam=10 is the assignment statement.

6>Ans: 23

7>Ans: 'spamspamspam' and 'spamspamspam'

8>Ans: eggs is a valid because we can start with any characters as variable name while 100 is invalid because we can't start with numeric value.

9>Ans: integer function: int(), floating-point number function-float(), or string version of a value function- str()

10> 'I have eaten ' + 99 + ' burritos.'

here string concatenate directly with numeric value

so we can fix with str() e.g. 'I have eaten ' + str(99) + ' burritos.'