**Quistion 1**

In [5]:



b**=** 'hello'

print(type(b))

<class 'str'>

In [9]:



c**=** **-**87.8

print (type(c))

<class 'float'>

In [11]:



d**=** '-'

print(type(d))

<class 'str'>

In [13]:



e**=** "/,+"

print(type(e))

<class 'str'>

In [14]:



f**=**6

print(type(f))

<class 'int'>

**Quistion 2**

In [ ]:



string a **class** **-** reference datatype it **is** used to represent text type data.

variable **is** any alphabet **or** gropu of alphabet which work **as** temporary storage locations ,

a variable **is** used to represent any value

**Quistion 3**

In [1]:



*#Integer Value*

a**=**1548

print(type(a))

<class 'int'>

In [2]:



*#floot Value*

b**=**12.548

print(type(b))

<class 'float'>

In [3]:



*#Boolian Value*

c**=True**

print(type(c))

<class 'bool'>

In [4]:



*#list Value*

d**=**[1,2,3,4]

print(type(d))

<class 'list'>

**Quistion 4**

In [6]:



*# Constant Expressions*

x **=** 18 **+**11.3

print(x)

29.3

In [7]:



*# Arithmetic Expressions*

x **=** 10

y **=** 5

addition **=** x **+** y

subtraction **=** x **-** y

multiplication **=** x **\*** y

division **=** x **/** y

print(addition)

print(subtraction)

print(multiplication)

print(division)

15

5

50

2.0

In [9]:



*# Integral Expressions*

a **=** 10

b **=** 9.0

c **=** a **+** int(b)

print(c)

19

In [10]:



*# Multi-operator expression*

a **=** 10 **+** 2 **\*** 2

print(a)

b **=** (10 **+** 5) **\*** 4

print(b)

c **=** 10 **+** (5 **\*** 8)

print(c)

14

60

50

**Quistion 5**

In [ ]:



expression **is** made up of values, containers, **and** mathematical operators.

statement **is** just like a command that a python interpreter executes like print.

**Quistion6**

In [11]:



bacon**=**12

bacon**+**1

Out[11]:

13

**Quistion 7**

In [12]:



'spam'**+**'spamspam'

Out[12]:

'spamspamspam'

In [13]:



'spam'**\***3

Out[13]:

'spamspamspam'

**Quistion 8**

In [1]:



*#In variable name, no special characters allowed other than underscore (\_).*

*#example:-*

egg**=**23

print(egg)

​

23

In [2]:



\_egg**=**23

print(\_egg)

23

100egg=23 print(100egg)

**Quistion 9**

In [ ]:



str(), int(), float()

**Quistion 10**

In [2]:



99 **is** an integer it cannot be concatenated **with** strings, **if** we have to concatenate it we need to do typecasting.

example**-**

In [3]:



print("I have eaten 99 burritos")

I have eaten 99 burritos