**MODULE-2 OPERATORS**

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**Batch :- 05012021\_10A.M**

**Please implement by using Python**

1. A. Write an equation which relates 399, 543 and 12345

B. “When I divide 5 with 3, I got 1. But when I divide -5 with 3, I got -2”—How would you justify it.

Ans:-

#assigning values to variables

a = 399

b = 543

c = 12345

#constructing an equation to relates all three

c > a + b

a = 5

b = 3

c = -5

d = 5 // 3

d #Out[25]: 1

e = -5 //3

e #Out[27]: -2

#when we take floor division of negative number it returns Quotient as one higher digit

2. a=5,b=3,c=10.. What will be the output of the following:

A. a/=b

B. c\*=5

Ans:-

a=5

b=3

c=10

# a/=b means a = a/b

# c = c\*5

d = 5/3

d #Out[36]: 1.6666666666666667

e = c\*5

e #Out[38]: 50

3. A. How to check the presence of an alphabet ‘s’ in word “Data Science” .

B. How can you obtain 64 by using numbers 4 and 3 .

Ans:-

's' in 'Data Science' #Out[42]: False

#'s' is not present in "Data Science"

#Python is case sensiive so 's' is not equal to 'S'

#B. we can obtain 64 using 4 and 3 by expoonential operator

exp = 4\*\*3

print(exp) #Output 64