21st May Assignment

1. K =3

J = 9

print(K + J)

print(J - K)

print(K \* J)

print(J / K)

1. i. ‘/’ is division while ‘//’ is floor division can be explained using below snippet

print(5 / 3) #O/P is 1.6667

print(5 // 3) #O/P is 1

ii. ‘\*\*’ is an exponential operator used to calculate power of a number eg 2\*\*3 will give 8 and ‘^’ is bitwise XOR operator 1 ^ 0 gives 1, 1 ^ 1 gives 0 and 0 ^ 0 gives 1

1. and, or and not are three logical operators.
2. #right shift : it shift binary numbers to right

num = 10 #1010

print(num >> 1) #5 - 0101

#left shift : : it shift binary numbers to left

print(num << 1) #20 - 1 0100

1. intlist = []

flag = "not found"

for i in range(15):

intlist.append(i+1)

for i in intlist:

if i == 10:

print('yes 10 exists')

flag = "found"

if flag == "not found":

print ('10 doesn\'t exists')