**Practical**

**Write a function called pattern\_sum that receives two single digit positive integers, (k and m) as parameters and calculates and returns the total sum as:   
k + kk + kkk + .... (the last number in the sequence should have m digits)**

For example, if the two integers are:  
  
(4, 5)  
Your function should return the total sum of:   
4 + 44 + 444 + 4444 + 44444   
Notice the last number in this sequence has 5 digits. The return value should be:  
49380  
if the two integers are:  
(5, 3)  
Your function should return the total sum of:   
5 + 55 + 555   
Notice the last numebr in this sequence has 3 digits. The return value should be:  
615

**Ans:**

**input code in python interpreter:**

def pattern\_sum(a,b):

total = 0

for i in range (1,b+1):

d=str(a)\*i

total += int(d)

return total

**Output:**

