S.No: 25	Exp. Name: ***Chocolate distribution***	Date:2024-08-27

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Aim:

Complete the given Python function **order_chocolate** that takes two integer arguments, **n** (Number of chocolates) and **m** (Number of students).

The function is designed to distribute chocolates among students. It checks whether it's possible to evenly distribute **n** chocolates among **m** students. If it's possible, the function returns 0. If it's not possible to evenly distribute the chocolates, the function calculates the minimum number of extra chocolates needed to make the distribution even and returns that number.

Hint:

- When you divide n by m if you have 0 remainder, then it is possible to distribute evenly.
- Otherwise, you can take away the remainder from the number of students.

Input format:

- The first line of the input is an integer that represents the number of chocolates.
- The second line of the input is an integer that represents the number of students.

Output format:

- If the number of students entered is a positive integer greater than zero, then output the minimum integer representing the number of chocolates needed to evenly distribute among them otherwise print "Invalid".

Note: For simplicity, the code for reading input & printing output has already been given. You just need to fill the code in the function body given.

Source Code:

order_chocolate.py

```
def order_chocolate(n,m):
   if(m!=0):
      if(n%m==0):
         return 0
      else:
         a=n//m
         a=a+1
         result=a*m-n
         return result;
   else:
      return "Invalid"



chclts = int(input())
stdnts = int(input())
print(order_chocolate(chclts,stdnts))
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
78
8
2

Test Case - 2
User Output
85
6
5

Test Case - 3
User Output
9
3
0

Test Case - 4
User Output
25
0
Invalid