



# STUDENT REPORT

## DETAILS

Name

G SIDDESHWAR

Roll Number

TEMPBTech-ECE011

## EXPERIMENT

Title

REDUCE TILL ZERO

Description

Dev loves the number zero. Dev gives Andrew two integers X and Y and asks him to perform the steps below on X and Y. until the value of Y has been reduced to zero. The below steps should be followed sequentially:

- 1. If  $X < Y$ , then swap values of X and Y.
- 2. If  $Y = 0$ . then return X
- 3. Otherwise, let  $T = X - Y$ .
- 4. Set  $X = Y$  and then set  $Y = T$
- 5. Repeat from step 1.

Your task is to help Andrew find and return an integer value, representing the value of X, when the value of Y has been reduced to zero.

**Note:** At least one of the X or Y will be a non-zero integer

Input Specification:

input1: An integer value X. representing the first number.

Input2: An integer value Y, representing the second number

Sample input:

48  
18

Sample Output:

6

Source Code:

```
x=int(input())
y=int(input())
while y!=0:
    if x
```

## RESULT

0 / 5 Test Cases Passed | 0 %