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for eg. if you are the given 3 and 4, then you have to form the number 34 from it and then finally print the number 34.

↓
o chum



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$3 \times 10 = 30 + 4$
 $= 34$
 $n(8) \rightarrow h''$
 $(r) \rightarrow (r)$

Swap x y z

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Take in three integer inputs x, y and z. Assign the value of x to y, y to z to x. Then print the value of x, y, z in separate lines.

Input Format

For each test case,

x will be given in the first line,

y will be given in the second line,

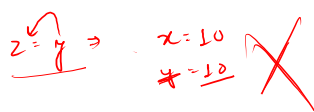
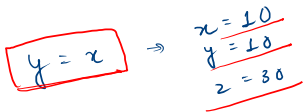
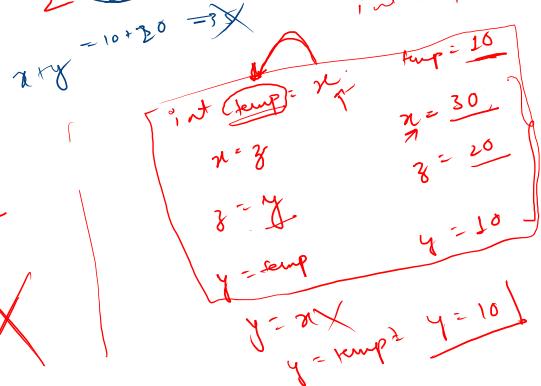
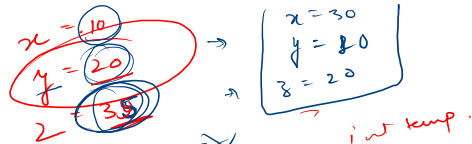
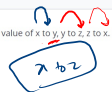
z will be given in the third line.

Sample Input 0

```
10
20
30
```

Sample Output 0

```
30
10
20
```



$$\begin{aligned}
 x &= x + y + z = 10 + 20 + 30 = 60 \\
 y &= x - (y + z) = 60 - (20 + 30) = 10 \\
 z &= x - (x + y) = 60 - (10 + 20) = 30
 \end{aligned}$$

$$x = 10, y = 20, z = 30$$

$$x = x + y + z = 10 + 20 + 30 = 60$$

$$x = z$$

$$\begin{aligned}
 y &= x \\
 z &= y \\
 x &= z
 \end{aligned}$$

$$\begin{aligned}
 y &= (x + y + z) - (x + z) \\
 &= (x + y + z) - x - z \\
 &= y
 \end{aligned}$$

$$\begin{aligned}
 z &= x - (y + z) \\
 &= (x + y + z) - (x + y) \\
 &= x + y + z - x - y \\
 &= z
 \end{aligned}$$

$$x = (x + y + z) - (x + y)$$

$$x = x + y + z - x - y$$

Print digit by digit of a three digit number

Problem

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Given a three-digit positive number. Print its digits one by one starting from the digit at one's place to the digit at hundred's place in a separate line.

Output Format

Print the digits one by one as an integer output in separate lines.

Sample Input 0

345

Sample Output 0

5
4
3

$$\begin{array}{r} 2 \text{ } \downarrow \\ n = \underline{345} \end{array} \rightarrow \begin{array}{l} n \% 10 \Rightarrow \text{Remainder} \\ \hookrightarrow \underline{n / 10} \Rightarrow \text{Quotient} \end{array}$$

$$\begin{array}{l} 345 / 10 \Rightarrow 5 \\ 345 / 10 \Rightarrow 34 \Rightarrow 34 / 10 \Rightarrow 4 \\ \quad \downarrow 34 / 10 \end{array}$$

```
while ( n > 0 )
{
    int lastDigit = n % 10;
    printf("%d", lastDigit);
    n /= 10;
}
```

$$\begin{array}{l} 345 / 10 = 34 \\ \quad \downarrow 34 / 10 \\ \quad \quad 4 \end{array}$$

Reverse a 3 digit number

n = 234

Sample Output 0

432

$x \times 10 + y$

4 3 2

int ans = 0;

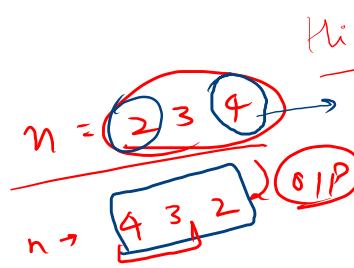
while (n > 0)

int last digit = n % 10;

ans = ans * 10 + last digit;

n /= 10;

return ans;



234 % 10 = 4

ans = 0 * 10 + 4 = 4

23 % 10 = 3

ans = 4 * 10 + 3 = 43

2 % 10 = 2

ans = 43 * 10 + 2 = 432

23 % 10 = 3

ans = 4 * 10 + 3 = 43

2 % 10 = 2

ans = 43 * 10 + 2 = 432

0

