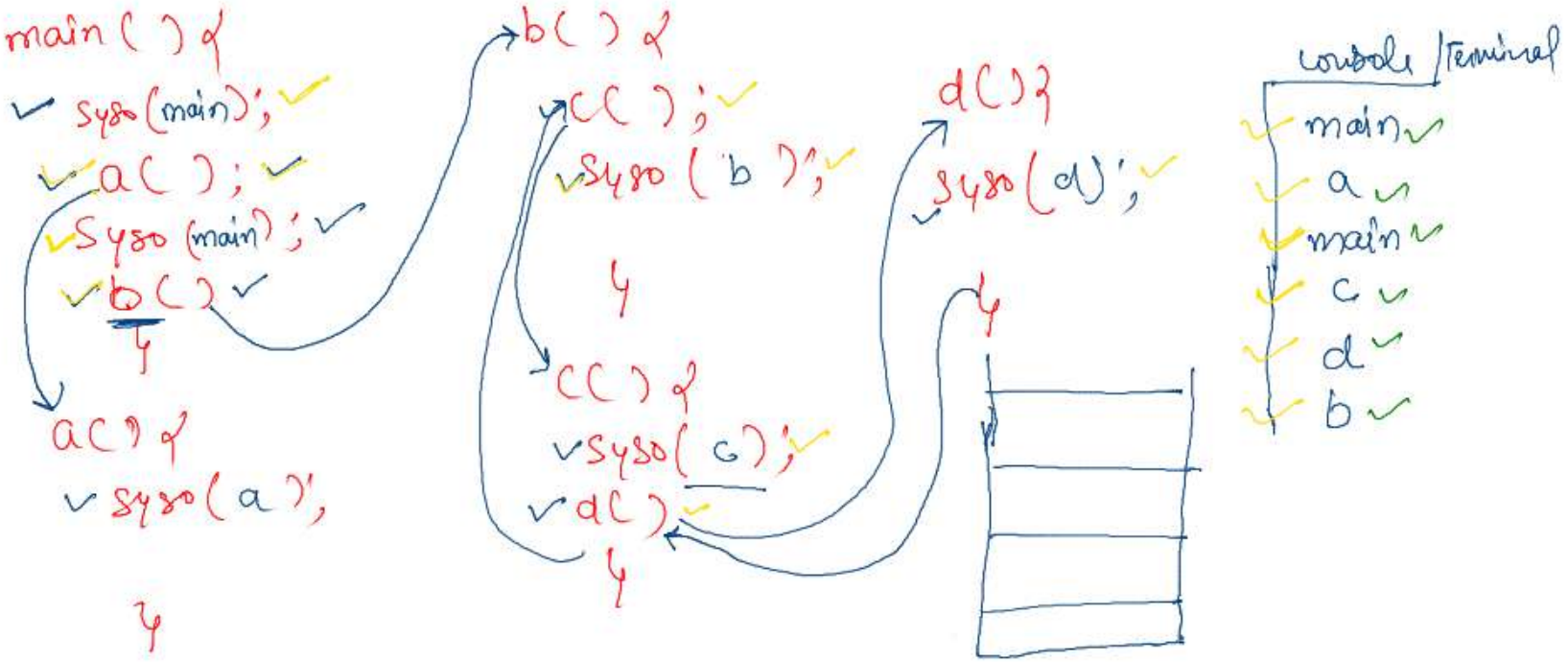


Q Swap x and y

x = 99
y = 67

int c = x;
x = y;
y = c;

Syso (x and y) =

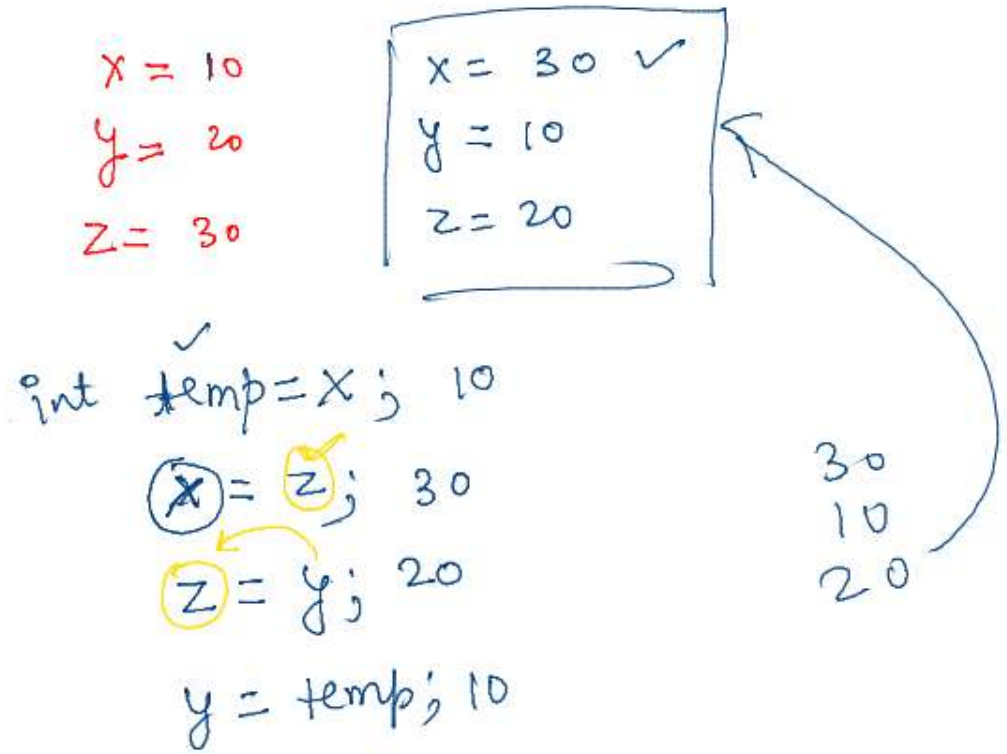
x = 67
y = 99

c = 99	
y = ~~67~~	99
x = ~~99~~	67

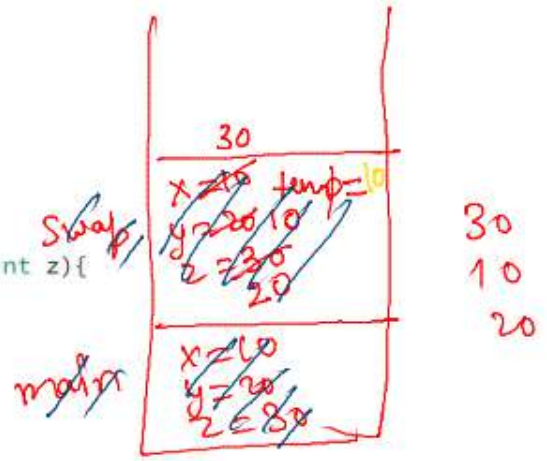
67 & 99

```java
public static void main(String[] args) {

    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
    swap(x,y);
    System.out.println("x = " + x);
    System.out.println("y = " + y);

}

public static void swap(int x, int y){

    System.out.println("x = " + x);
    System.out.println("y = " + y);
    int c = x;
    x=y;
    y=c;
    System.out.println("x = " + x);
    System.out.println("y = " + y);
    return;
}
```

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




```
public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int x = scn.nextInt();
        int y = scn.nextInt();
        int z = scn.nextInt();

        swap(x,y,z);
    }

    public static void swap(int x , int y , int z){
        int temp = x;
        x = z;
        z = y;
        y = temp;
        System.out.println(x);
        System.out.println(y);
        System.out.println(z);
    }
```



```
int temp = x;
x = y;
y = temp;
```

Swap

* swap ✓ x = 10
✓ y = 20

without using third variable

✓ x = x + y
✓ y = x - y
✓ x = x - y;

x = 3 → 2x → 19
y = 19 → 3

Qus ✓ x = (11)
y = (22)

x = 3
y = 4 = (34)

[x * 10 + y] = [xy]
3 * 10 + 4
30 + 4 = 34

Q

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.

5
4
3

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner scn = new Scanner(System.in);
        int n = scn.nextInt();

        while(n>0){
            int rem = n%10;
            System.out.println(rem);

            n = n/10;
        }
        /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your
    }
}
```

879/10 = 87

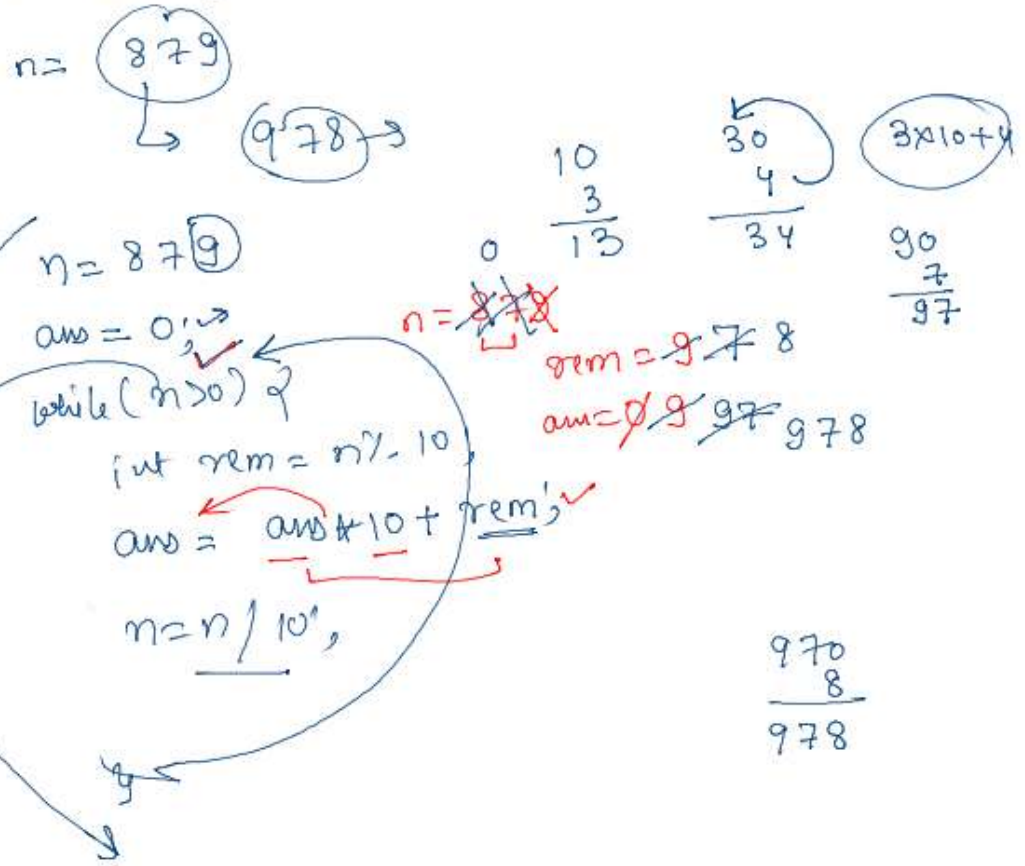
879/10 = 9

9
7
8

87/10 = 8

8/10 = 0

Q Reverse 3 digit #




```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int test = scn.nextInt();


    while(test>0){
        int n = scn.nextInt();
        reverse(n);

        test--;
    }
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class
}

public static void reverse(int n){
    int rev =0;
    while(n>0){
            int rem = n%10;
            rev = rev*10 + rem;

            n =n/10;
        }
        System.out.println(rev);
}
```

2
123
879

321
978