$$int n = 123456$$

$$\frac{123}{201}$$
 $\frac{123}{201}$ $\frac{123}{201}$ $\frac{123}{201}$

$$n = 123$$

$$n\% 10 = 3$$
 $n\% 10 = \frac{23}{2}$

n = n/10000

Given x and y, print xy

$$\begin{array}{c} \lambda = 5, \quad \lambda = 7 \\ \end{array}$$

$$O/P = 57$$

$$am = x + 10 + y$$

$$= 50 + 7$$

$$= 57$$

$$x$$
 y 5 , 7 $ans = 57$

$$= 5 \times 10 + 7$$

$$= 50 + 7$$

$$= 57$$

$$an = 93507$$

$$\frac{1}{1} = \frac{1}{2}$$

$$\frac{1}{1} = \frac{1}{2}$$

$$\frac{1}{2} = \frac{1}{2}$$

$$\frac{1}$$

2) 3,
$$a_{N} = a_{N} * 10 + 3 = 93$$

3) 5,
$$ans = an * 10 + 5 = 935$$

4) 0,
$$ans = an * 10 + 0 = 9350$$

5) 7, $ans = an * 10 + 7 = 93507$

Given x and y, print xy

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();
    for (int i = 0; i < t; i++) {
        int x = scn.nextInt();
        int y = scn.nextInt();
        int ans = printxy(x, y);
        System.out.println(ans);
}
public static int printxy(int x, int y) {
  \rightarrow int ans = x * 10 + y;
    return ans;
```

Print digit by digit of a three digit number

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    printDigitsFromLast(n);
public static void printDigitsFromLast(int n) {
   -while ( n > 0 ) {
    int ans = n % 10;
 System.out.println(ans);
       n = n / 10;
```

Reverse a 3 digit number

$$\frac{1}{2} : - \frac{n = 123}{2}$$

$$\frac{1}{2} : - \frac{1}{2} = \frac{321}{2}$$

Mote: - must create function and return int value

$$\frac{h = 123}{1}$$
, $\frac{an = 0}{1}$
 $\frac{dep1}{dep1}$ int $\frac{dep1}{dep1}$, $\frac{$

$$\frac{\text{step 2}}{(2)} \quad \text{int sign} = n.7.10 \quad , \quad \text{ans} = \text{ans} * 10 + \text{sign} \quad , \quad n /= 10 \\ (2) \quad (32) \quad (1)$$

$$\frac{\text{step 3}}{(1)} \quad \text{int sign} = n.7.10 \quad , \quad \text{ans} = \text{ans} * 10 + \text{sign} \quad , \quad n /= 10 \\ (321) \quad (0)$$

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();
    for (int i = 0; i < t; i++) {
        int n = scn.nextInt();
        System.out.println( reverse3DigitNumber(n) );
public static int reverse3DigitNumber(int n) {
    int ans = 0;
    while (n > 0) {
        int rem = n \% 10;
        ans = ans * 10 + rem;
        n = n / 10;
    return ans;
```

Reverse n-digit number

$$N = 5$$
 $N = 5$
 $N = 0$
 $N = 5$
 $N = 0$
 $N =$

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
    int n = scn.nextInt(); // no of digits
    int num = 0;
   for (int i = 0; i < n; i++) {
        int val = scn.nextInt();
        num = num * 10 + val;
   System.out.println(num);
    int ans = reverseNumber(num);
   System.out.println(ans);
}
public static int reverseNumber(int n) {
   int ans = 0;
   while (n > 0) {
        int rem = n \% 10;
        ans = ans * 10 + rem;
```

n = n / 10;

return ans;

}

Write a function to check if an Armstrong number or not

$$n = 1634$$

$$count = 4$$

$$anl = (1)^{3} + (6)^{3} + (3)^{3} + (4)^{3}$$

$$= 1634$$



```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int t = scn.nextInt();
    for (int i = 0; i < t; i++) {
        int n = scn.nextInt();
        boolean ans = armstrongNumber(n);
        System.out.println(ans);
public static boolean armstrongNumber(int n) { // 153
    int temp = n;
    int ans = 0;
   while (n > 0) {
        int rem = n \% 10;
        ans = ans + ( rem * rem * rem ); // Math.pow(rem , count)
        n /= 10;
    return (ans == temp);
```