=> retwn keyword Setwin back some value from where it is called.

Jestroys the function

Note:- we can't write any statement after network keyword got executed.

# -> difference

break: - destroy the loop return: - destroy the function

### Swap x and y

$$y = 5$$
,  $y = 6$   
 $y = 6$ ,  $y = 5$ 

Process:-

int 
$$C = X;$$
 $X = Y;$ 
 $y = C;$ 

X-5	Y=6	С
5	6	15
6	6	5
6	5	5

```
code
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int x = scn.nextInt();
    int y = scn.nextInt();
    swap(x, y);
public static void swap(int x, int y) {
    int c = x;
    System.out.println("c = " + c);
    X = V;
    System.out.println("x = " + x);
    V = C;
    System.out.println("y = " + y);
    System.out.println("x = " + x);
    System.out.println("y = " + y);
```

```
Swap x y z ( do what it says)
```

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   int x = scn.nextInt(); |0
   int y = scn.nextInt(); 20
   int z = scn.nextInt(); 30
   int temp = x; \longrightarrow temp = 10
   x = z; \chi = 30
   y = temp; y = 10
   System.out.println(x);
   System.out.println(y);
   System.out.println(z);
```

#### Given x and y, print xy

$$\frac{y}{y} = 7$$

$$y = 7$$

$$Sp:-xy = 57$$
  $Sp:-xy = 57$ 

$$= (5 * 10) + 7$$
$$= 50 + 7$$

```
code
```

```
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) {
    int ans = (x * 10) + y;
    return ans;
```

## Print digit by digit of a three digit number

int 
$$n = 347$$
;

$$0 = 97.10;$$
 $b = 97.10;$ 
 $c = 67.10;$ 
 $d = 6/10;$ 

Note: n = 1234567  $\alpha = n\% 10000 \%4567$  b = m/10000 %123

#### Reverse a 3 digit number

int 
$$n = 123$$
;  
int and = 321;

$$\frac{n=123}{\text{int } a=n\%10;}$$
int  $b=n/10;$ 

$$1/2$$
int  $c=b\%10;$ 

$$1/2$$
int  $d=b/10;$ 

$$1/1$$

int 
$$yev = (a + 100) + (c + 10) + d$$
  
=  $300 + 20 + 1$   
=  $321$ 

```
code
```

```
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();
        int ans = reverse(n);
        System.out.println(ans);
}
public static int reverse(int n) {
    int a = n \% 10;
    int b = n / 10;
    int c = b \% 10;
    int d = b / 10;
    int rev = (a * 100) + (c * 10) + d;
    return rev;
}
```