Programming in C

Flow of Control (Part-05)

look Break;
Continue

## Break Statement:

4 Used to terminate the loop. Conditions

for (int j=0; i<10; i+1)} >> printf ("%1", i);

→ if (i==3) {

break;

i=0, 1<70

$$\begin{array}{cccc}
(1) & j=0 & i<10 & (T) \\
& & & & & \\
\end{array}$$

$$(2) \qquad (2)$$

(1) 
$$j=0$$
  $i<10$  (T)

(2)  $j=0$   $i<10$  (T)

(3)  $j=0$   $j=3$  (F)

 $j+1+3$   $j=0$ 

(2) 
$$j=1$$
,  $j<10$  (7) 1  
 $j=3$  (F)  $j+1=3$  2

E<u>r</u>

```
j=0, j<10
                                <u>0/P</u>
    (1) i=0, i<10 (True)
         1>4 (False)
           1 to 1
           1++ => 2
(5) i= 4, i<10 (True) -> if i>4 break 4 >4
```

```
gatinue Statement:
   Is if skip the Coment iteration
Ex for (int i=0, j<10; i+1) \{2\} i=1 i<10 (Thue)
           1f (j %2 == 0) {
         Continue; Skip all the finest codes

Next codes
             pool abieni : (i "pola") trind
                                           (6)
```

```
J=0
      j=0, j<10
       L' i%2==0 → Continue
           14+ ~ I
        4 i%2==0 (False)
          i++ - 2
(3) j=2, i<10 (T)
2 %2==0 (True) -> Continue (Skb)
  (9) i=3, i<10 (T)
\frac{1}{3}382 = = 0 (False)
                   12 in -> 4
 (S) j=4, 4<10 (True)
       4 4 %2 == 0 (True) -> Continue (Skp)
i++-> 5-
```

of b

10<10

لحران

4 Loop inside the loop

Nested while loop | While (condition)} While (Condition) { While (andition)

.

```
Write a program to print the following pattern:
                                                             jnt i=1; i<=n; i++) }
 <sup>2</sup> * *
 3 * * *
 n (*)
 # include < $tdio.h >
 int main () of
   int n;
   print (" How want stone you want to print !");
   Acant ("%", & n);
```

```
> √ €
C pattern1.c ×
C pattern1.c > 分 main()
      #include<stdio.h>
      int main(){
           int n;
           printf("Enter the number of rows you want to print? \n");
           scanf("%d", &n); // 5 -> i = 1,2,3,4,5
   6
           for (int i = 1; i<=n; i++){
                                                                                 J<13) 1<1 (Inter) -
               for (int j = 0; j < i; j + +){
   8
   9
                   printf("*");
  10
               printf("\n");
  11
  12
  13
           return 0;
  14
   Enter the number of rows you want to print?
   ***
   ****
   ****
```

```
( jut j=1; j<=2; j++){
 f^{(g)}(j_{M}) = 0; j < i, j+1)
                    4 (C) K=0, K< jt (True)
                                                                                                                                                                                                                                                                                                                                        P bing 2 K , K++
                                                                                                                                                                                                                                                                                                                                           K=1 K<J+1= false)
                                                                                                                                                                                                                                                                                     → j=1, 1<i (False)
                                         print ("0%1");
                                                                                                                                                                                                                                                           1++= i=2
                                                                                                                                                                                                                                                                                                                                                                                            ~ 1++ → (2), J < i (2<2) false
                                                                                                                                                                         (2) (A)

1=2 i<=2 (True)
                                                                                                                                                                                                                                                                                                                                                                                      (3) (A)... i=3, j2=2 (Folg)
                                                                                                                                                                                                                                     (C) k=0, K<j+1 (The)
                                                                                                                                                                                                                                                                           K++, K=1, K<j+1
                                                                                                                                                                                                                                 J++
j=1, J< i, (Time)
                                                                                                                                                                                                                                                        C) K=0, K<j+1 (True) K+4

b K=1 K<j+1 (True) K+

K<j+1 (T
```

