```
1.pn1의 주소값이 넘어온다. pn1의 value가 가리키는 값이 10이다.
2.pn1=16120104, * pn1 = 10이며 이 pn1이 위치한 주솟값을 넘기는 것이다.
3.그렇게 되면 pn1의 주솟값을 받은 ptr1은 아래와 같다.
4.*ptr = 16120104
5. ** ptr = 10
6. ** ptr = 20 -> 따라서 value만 swap을 하게 된다.
void swap3(int** ptr1, int** ptr2)
{
       int tmp = **ptr1;
       **ptr1 = **ptr2;
       **ptr2 = tmp;
n1: -858993460, &n1: 16120104 = 10
n2: -858993460, &n2: 16120092 = 20
-> 초기화가 안됐으므로 쓰레기값이 들어감.
-> 높은 주소먼저 스택에 쌓이는 것 확인
int* pn1 = &n1, * pn2 = &n2;
pn1=16120104, * pn1=-858993460
pn2=16120092, * pn2=-858993460
 n1 = 10;
 n2 = 20;
 printf("[Before swap1]\tN1:%d N2:%d\n", n1, n2);
 swap3(&pn1, &pn2);
 printf("[After swap1]\tN1:%d N2:%d\n\n", n1, n2);
n1: 20, &n1: 16120104
n2: 10, &n2: 16120092
pn1=16120104, * pn1=20
pn2=16120092, * pn2=10
return 0;
}
```

```
#include <stdio.h>
#include <stdlib.h>

void swap3(int** ptr1, int** ptr2) {
    int tmp = **ptr1;
    **ptr1 = **ptr2;
    **ptr2 = tmp;
}

//가리키는 값끼리 Swap을 했다. swap 성공

int main() {
    int n1, n2;
    int* pn1 = &n1, * pn2 = &n2;

    n1 = 10;
    n2 = 20;

    printf("[Before swap1]\text{\text{\text{W}tN1:\text{\text{\text{N}2}:\text{\text{\text{\text{\text{\text{W}n}", n1, n2}};}}}
    printf("[After swap1]\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{
```

## Microsoft Visual Studio 디버그 콘솔 n1: -858993460, &n1: 16120104 n2: -858993460, &n2: 16120092 pn1=16120104, \*pn1=-858993460 pn2=16120092, \*pn2=-858993460 [Before swap1] N1:10 N2:20 [After swap1] N1:20 N2:10 n1: 20, &n1: 16120104 n2: 10, &n2: 16120092 pn1=16120104, \*pn1=20 pn2=16120092, \*pn2=10 C:쌗Users쌗rkdwn쌗source쌗repos쌗NOCODE㈱Debug쌗NOCODE.e 이 창을 닫으려면 아무 키나 누르세요...