```c
1  #include <stdio.h>
2
3  int main(void)
4  {
5      //variable declarations
6      int num;
7      int *ptr = NULL;
8      int *copy_ptr = NULL;
9
10     //code
11     num = 5;
12     ptr = &num;
13
14     printf("\n\n");
15     printf("****** BEFORE copy_ptr = ptr ******\n\n");
16     printf("  num          = %d\n", num);
17     printf("  &num         = %p\n", &num);
18     printf("  *(&num)      = %d\n", *(&num));
19     printf("  ptr          = %p\n", ptr);
20     printf("  *ptr         = %d\n", *ptr);
21
22     //'ptr' is an integer pointer variable...that it it can hold the address of ⤴
          any integer variable only
23     //'copy_ptr' is another integer pointer variable
24     //If ptr = &num ... 'ptr' will contain address of integer variable 'num'
25     //If 'ptr' is assigned to 'copy_ptr', 'copy_ptr' will also contain address of ⤴
          integer variable 'num'
26     //Hence, now, both 'ptr' and 'copy_ptr' will point to 'num' ...
27
28     copy_ptr = ptr; // copy_ptr = ptr = &num
29
30     printf("\n\n");
31     printf("****** AFTER copy_ptr = ptr ******\n\n");
32     printf("  num          = %d\n", num);
33     printf("  &num         = %p\n", &num);
34     printf("  *(&num)      = %d\n", *(&num));
35     printf("  ptr          = %p\n", ptr);
36     printf("  *ptr         = %d\n", *ptr);
37     printf("  copy_ptr     = %p\n", copy_ptr);
38     printf("  *copy_ptr    = %d\n", *copy_ptr);
39     return(0);
40 }
41
```