```
1 #include <stdio.h>
2
3 int main(void)
4 {
 5
       //variable declarations
 6
       int num;
       int* ptr = NULL; //Declaration Method 2 :- 'ptr' is a variable of type 'int*'
 7
 8
9
       //code
10
       num = 10;
11
12
       printf("\n\n");
13
       printf(" ****** BEFORE ptr = &num ******\n\n");
14
15
       printf("Value Of 'num'
                                  = %d\n\n", num);
       printf("Address Of 'num'
16
                                        = %p\n\n", &num);
17
       printf("Value At Address Of 'num' = %d\n\n", *(&num));
18
19
       //Assigning address of variable 'num' to pointer variable 'ptr'
20
       //'ptr' now contains address of 'num'...hence, 'ptr' is SAME as '&num'
21
       ptr = #
22
23
       printf("\n\n");
24
25
       printf(" ****** AFTER ptr = &num ******\n\n");
26
       printf("Value Of 'num'
                                        = %d\n\n", num);
       printf("Address Of 'num' = %p\n\n", ptr);
27
28
       printf("Value At Address Of 'num' = %d\n\n", *ptr);
29
30
       return(0);
31 }
32
```