```c
1   #include <stdio.h>
2
3   int main(void)
4   {
5       //variable declarations
6       double num;
7       double *ptr = NULL; //Declaration Method 1 :- '*ptr' is a variable of type  ⤶
            'double'
8
9       //code
10      num = 2.34343434f;
11
12      printf("\n\n");
13
14      printf(" ****** BEFORE ptr = &num ******\n\n");
15      printf("Value Of 'num'            = %lf\n\n", num);
16      printf("Address Of 'num'          = %p\n\n", &num);
17      printf("Value At Address Of 'num' = %lf\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 = &num;
22
23      printf("\n\n");
24
25      printf(" ****** AFTER ptr = &num ******\n\n");
26      printf("Value Of 'num'            = %lf\n\n", num);
27      printf("Address Of 'num'          = %p\n\n", ptr);
28      printf("Value At Address Of 'num' = %lf\n\n", *ptr);
29
30      return(0);
31  }
32
```