```c
 1  #include <stdio.h>
 2
 3  int main(void)
 4  {
 5      //variable declarations
 6      double num;
 7      double* ptr = NULL; //Declaration Method 2 :- '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
```