```c
1  #include <stdio.h>
2
3  int main(void)
4  {
5      //variable declarations
6      double dArray[10];
7      double *ptr_dArray = NULL;
8      int i;
9
10     //code
11     for (i = 0; i < 10; i++)
12         dArray[i] = (float)(i + 1) * 1.333333f;
13
14     // *** NAME OF ANY ARRAY IS ITS BASE ADDRESS ***
15     // *** HENCE, 'dArray' IS THE BASE ADDRESS OF ARRAY dArray[] OR 'dArray' IS
           THE ADDRESS OF ELEMENT dArray[0] ***
16     // *** ASSIGNING BASE ADDRESS OF ARRAY 'dArray[]' TO DOUBLE POINTER
           'ptr_dArray'
17
18     ptr_dArray = dArray; // ptr_dArray = &dArray[0];
19
20     printf("\n\n");
21     printf("Elements Of The 'double' Array : \n\n");
22     for (i = 0; i < 10; i++)
23         printf("dArray[%d] = %lf\n", i, *(ptr_dArray + i));
24
25     printf("\n\n");
26     printf("Elements Of The 'double' Array : \n\n");
27     for (i = 0; i < 10; i++)
28         printf("dArray[%d] = %lf \t \t Address = %p\n", i, *(ptr_dArray + i),
               (ptr_dArray + i));
29
30     printf("\n\n");
31
32     return(0);
33  }
34
35
```