```cpp
1    #include <iostream>
2    using std::cout;
3    using std::endl;
4
5    class CDemo
6    {
7        int iNo;
8        float fNo;
9        double dNo;
10       char chChar;
11
12       int *pPtr1;
13       int *pPtr2;
14
15   public:
16       CDemo()
17       {
18           iNo = 0;
19           fNo = 0.0f;
20           dNo = 0.0;
21           chChar = '\0';
22
23           pPtr1 = NULL;
24
25           pPtr2 = new int[3];
26           if(NULL == pPtr2)
27           {
28               cout << "Memory allocation FAILED";
29               return;
30           }
31
32           /*
33           for(int iCounter = 0; iCounter < 3; iCounter++)
34               pPtr2[iCounter] = 0;
35           */
36
37           memset(pPtr2, 0, 3 * sizeof(int));
38       }
39
40       void Set(int iParam, float fParam, double dParam, char chParam)
41       {
42           iNo = iParam;
43           fNo = fParam;
44           dNo = dParam;
45           chChar = chParam;
46
47           pPtr1 = &iNo;
48
49           for(int iCounter = 0; iCounter < 3; iCounter++)
50               pPtr2[iCounter] = iParam + iCounter + 1;
51       }
52
53       void Get()
54       {
55           cout << "iNo is " << iNo << endl;
56           cout << "fNo is " << fNo << endl;
57           cout << "dNo is " << dNo << endl;
58           cout << "chChar is " << chChar << endl;
59
60           cout << "&iNo is " << &iNo << endl;
61           cout << "pPtr1 is " << pPtr1 << endl;
62           if(pPtr1 != NULL)
63               cout << "*pPtr1 is " << *pPtr1 << endl;
64
65           cout << "pPtr2 is " << pPtr2 << endl;
66           cout << "pPtr2 values are:\t";
67           for(int iCounter = 0; iCounter < 3; iCounter++)
```

```cpp
68              cout << "pPtr2[" << iCounter << "] = " << pPtr2[iCounter] << "\t";

69
70          cout << endl;
71      }
72  };
73
74  int main(void)
75  {
76      CDemo obj1;
77
78      cout << "OBJ1 values are:\n";
79      obj1.Get();
80
81      obj1.Set(10, 57.33f, 69.33, 'A');
82      cout << "\nOBJ1 values are:\n";
83      obj1.Get();
84
85      CDemo obj2 = obj1;
86      cout << "\nOBJ2 values are:\n";
87      obj2.Get();
88
89      CDemo obj3;
90      obj3 = obj1;
91      cout << "\nOBJ3 values are:\n";
92      obj3.Get();
93
94      return 0;
95  }
96
```