

```

1  #include<iostream>
2  using namespace std;
3
4  class CDemo
5  {
6      int m_iNo1;
7      int m_iNo2;
8
9  public:
10     CDemo(int iNo1 = 10, int iNo2 = 20)
11     {
12         m_iNo1 = iNo1;
13         m_iNo2 = iNo2;
14     }
15
16     CDemo& operator +()
17     {
18         cout<<"In unary + operator\n";
19         return *this;
20     }
21
22     CDemo operator -()
23     {
24         cout<<"In unary - operator\n";
25         return CDemo(-m_iNo1, -m_iNo2);
26     }
27
28     CDemo operator ~()
29     {
30         cout<<"In unary ~ operator\n";
31         return CDemo(~m_iNo1, ~m_iNo2);
32     }
33
34     CDemo& operator ++()
35     {
36         cout<<"In Pre-increment operator\n";
37         m_iNo1++;
38         m_iNo2++;
39         return *this;
40     }
41
42     CDemo operator ++(int)
43     {
44         cout<<"In Post-increment operator\n";
45         CDemo temp(m_iNo1,m_iNo2);
46         m_iNo1++;
47         m_iNo2++;
48         return temp;
49     }
50
51     CDemo& operator --()
52     {
53         cout<<"In Pre-decrement operator\n";
54         m_iNo1--;
55         m_iNo2--;
56         return *this;
57     }
58
59     CDemo operator --(int)
60     {
61         cout<<"In Post-decrement operator\n";
62         CDemo temp(m_iNo1,m_iNo2);
63         m_iNo1--;
64         m_iNo2--;
65         return temp;
66     }
67 };

```

```
68
69  int main()
70  {
71      CDemo obj;
72
73      +obj;    // obj.+();
74
75      -obj;
76
77      ~obj;
78
79      ++obj;
80
81      obj++;
82
83      --obj;
84
85      obj--;
86
87      return 0;
88  }
89
```