```java
 1 package chapter20.memo;
 2
 3 import java.util.List;
 4 import java.util.Scanner;
 5
 6 public class MemoView {
 7     private static MemoView instance = new MemoView();
 8     private MemoView() {
 9     }
10     public static MemoView getInstance() {
11         return instance;
12     }
13     public void welcome() {
14         System.out.println("나의 메모");
15     }
16     public int mainMenu(Scanner scanner) {
17         System.out.println("-----------------------------------");
18         System.out.println("1.목록¦2.등록¦3.수정¦4.삭제¦0.종료");
19         System.out.println("-----------------------------------");
20         System.out.print("메뉴를 선택하세요> ");
21         return Integer.parseInt(scanner.nextLine());
22     }
23     public MemoVO insertMemo(Scanner scanner) {
24         System.out.println("메모를 새로 작성합니다.");
25         System.out.print("제목: ");
26         String title = scanner.nextLine();
27         System.out.print("내용: ");
28         String content = scanner.nextLine();
29         System.out.print("작성자 아이디: ");
30         String writer = scanner.nextLine();
31         return new MemoVO(title, content, writer);
32     }
33     public void insertResult(int count) {
34         if (count > 0) {
35             System.out.println("메모가 등록되었습니다.");
36         } else {
37             System.out.println("정상적으로 메모가 등록되지 않았습니다.");
38         }
39     }
40     public void selectMemos(List<MemoVO> memos) {
41         System.out.println("전체 목록");
42         for (MemoVO vo : memos) {
43             System.out.println(vo);
44         }
45     }
46     public MemoVO updateMemo(Scanner scanner) {
47         System.out.println("수정할 메모 번호를 입력하세요.");
48         int no = Integer.parseInt(scanner.nextLine());
49         System.out.print("제목: ");
50         String title = scanner.nextLine();
51         System.out.print("내용: ");
```

```java
52          String content = scanner.nextLine();
53          System.out.print("작성자 아이디: ");
54          String writer = scanner.nextLine();
55          return new MemoVO(no, title, content, writer);
56      }
57      public void updateResult(int count) {
58          if (count > 0) {
59              System.out.println("메모가 수정되었습니다.");
60          } else {
61              System.out.println("정상적으로 메모가 수정되지 않았습니다.");
62          }
63      }
64      public int deleteMemo(Scanner scanner) {
65          System.out.println("삭제할 메모 번호를 입력하세요.");
66          return Integer.parseInt(scanner.nextLine());
67      }
68      public void deleteResult(int count) {
69          if (count > 0) {
70              System.out.println("메모가 삭제되었습니다.");
71          } else {
72              System.out.println("정상적으로 메모가 삭제되지 않았습니다.");
73          }
74      }
75 }
76
```