

```
1 package chapter20.memo;
2
3 import java.util.List;
4
5 public class MemoService {
6     private static MemoService instance = new MemoService();
7     private MemoService() {
8     }
9     public static MemoService getInstance() {
10         return instance;
11     }
12     private MemoDAO dao = MemoDAO.getInstance();
13     public List<MemoVO> selectMemos() throws Exception {
14         return dao.selectMemos();
15     }
16     public MemoVO selectMemo(int searchNo) throws Exception {
17         return dao.selectMemo(searchNo);
18     }
19     public int insertMemo(MemoVO vo) throws Exception {
20         return dao.insertMemo(vo);
21     }
22     public int updateMemo(MemoVO vo) throws Exception {
23         return dao.updateMemo(vo);
24     }
25     public int deleteMemo(int deleteNo) throws Exception {
26         return dao.deleteMemo(deleteNo);
27     }
28 }
29
```