- 프로젝트명 : chap14-io-practice-source

- 첨부된 파일을 아래의 경로에 위치시키세요

  - src/main/java/com/ohgiraffers/io/member

@com.ohgiraffers.io.member.Member

```java
public class Member implements Serializable{
    /**
     *
     */
    private static final long serialVersionUID = 1L;

    private String userId;
    private String userPwd;
    private String userName;
    private String email;
    private int age;
    private char gender;
    private double point;

    public Member(){}

    public Member(String userId, String userPwd, String userName){
        this.userId = userId;
        this.userPwd= userPwd;
        this.userName = userName;
    }

    public Member(String userId, String userPwd, String userName, String email,
            int age, char gender, double point){
        this(userId, userPwd, userName);
        this.email = email;
        this.age = age;
        this.gender = gender;
        this.point = point;
```

```java
30        }
31
32
33
34        public String getUserId() {
35            return userId;
36        }
37
38        public String getUserPwd() {
39            return userPwd;
40        }
41
42        public String getUserName() {
43            return userName;
44        }
45
46        public String getEmail() {
47            return email;
48        }
49
50        public int getAge() {
51            return age;
52        }
53
54        public char getGender() {
55            return gender;
56        }
57
58        public double getPoint() {
59            return point;
60        }
61
62
63        public void setUserId(String userId) {
64            this.userId = userId;
65        }
66
67        public void setUserPwd(String userPwd) {
```

```java
            this.userPwd = userPwd;
        }

        public void setUserName(String userName) {
            this.userName = userName;
        }

        public void setEmail(String email) {
            this.email = email;
        }

        public void setAge(int age) {
            this.age = age;
        }

        public void setGender(char gender) {
            this.gender = gender;
        }

        public void setPoint(double point) {
            this.point = point;
        }


        @Override
        public String toString() {
            return this.userId + ", " + this.userPwd + ", " + this.userName + ", " +
                    this.email + ", " + this.age + ", " + this.gender + ", " +
    this.point;
        }
    }
```

@com.ohgiraffers.io.member.MemberObjectIOTest

```java
public class MemberObjectIOTest {

    public static void main(String[] args) {
        MemberManager memberManager = new MemberManager();
```

```
5
6          //@실습문제
7          // 1.members.ser 파일읽어서 출력하기
8          memberManager.readMembers();
9
10         // 2.회원추가 : MemberManager#addMember(Member):void
11         // Member객체를 Member[]에 추가후, Member[]를 members.ser파일에 출력 작업
12         Member member = new Member("user04","1234", "신사임당", "sinsa@sh.org",
    300, '여', 9000.0);
13
14         // 3. 결과확인 : 추가된 회원까지 확인
15         memberManager.readMembers();
16
17     }
18 }
```

@com.ohgiraffers.io.member.MemberManager

다음 요구사항에 맞게 코드를 구현하세요.

- 필드
  - `members : Member[]`
- 메소드

  ```
  1  readMembers() : void
  ```

  - `members.ser` 파일을 읽어서 필드에 저장하고, 출력하는 메소드

  ```
  1  addMember(Member) : void
  ```

  - 매개인자를 필드 members에 추가하고, `members.ser` 파일에 저장하는 메소드
  - 객체출력시에는 이어쓰기 없이 Member[]를 덮어쓰기로 처리한다.