

2024년 상반기 K-디지털 트레이닝

람다식

[KB] IT's Your Life

✓ 다음과 같이 인터페이스를 정의하세요.

```
package ch16.sec05.exam03;

@FunctionalInterface
public interface Creatable1 {
    public Member create(String id);
}
```

```
package ch16.sec05.exam03;

@FunctionalInterface
public interface Creatable2 {
    public Member create(String id, String name);
}
```

☑ 다음과 같이 클래스를 정의하세요.

```
package ch16.sec05.exam03;

public class Member {
    private String id;
    private String name;

    public Member(String id) {
        this.id = id;
        System.out.println("Member(String id)");
    }

    public Member(String id, String name) {
        this.id = id;
        this.name = name;
        System.out.println("Member(String id, String name)");
    }

    @Override
    public String toString() {
        String info = "{ id: " + id + ", name: " + name + " }";
        return info;
    }
}
```

✓ 다음과 같이 클래스를 정의하세요.

```
package ch16.sec05.exam03;

public class Person {
    public Member getMember1(Creatable1 creatable) {
        String id = "winter";
        Member member = creatable.create(id);
        return member;
    }

    public Member getMember2(Creatable2 creatable) {
        String id = "winter";
        String name = "한겨울";
        Member member = creatable.create(id, name);
        return member;
    }
}
```

✓ 생성자 참조를 이용하여 다음과 같이 출력되도록 수정하세요.

- Person의 getMember1/2 메서드를 이용하여 Member를 생성함

```
package ch16.sec05.exam03;

public class ConstructorReferenceExample {
    public static void main(String[] args) {
        Person person = new Person();

        Member m1 = _____;
        System.out.println(m1);
        System.out.println();

        Member m2 = _____;
        System.out.println(m2);
    }
}
```

```
Member(String id)
{ id: winter, name: null }
```

```
Member(String id, String name)
{ id: winter, name: 한겨울 }
```

ConstructorReferenceExample.java

```
package ch16.sec05.exam03;

public class ConstructorReferenceExample {
    public static void main(String[] args) {
        Person person = new Person();

        Member m1 = person.getMember1( Member :: new );
        System.out.println(m1);
        System.out.println();

        Member m2 = person.getMember2( Member :: new );
        System.out.println(m2);
    }
}
```

```
Member(String id)
{ id: winter, name: null }
```

```
Member(String id, String name)
{ id: winter, name: 한겨울 }
```