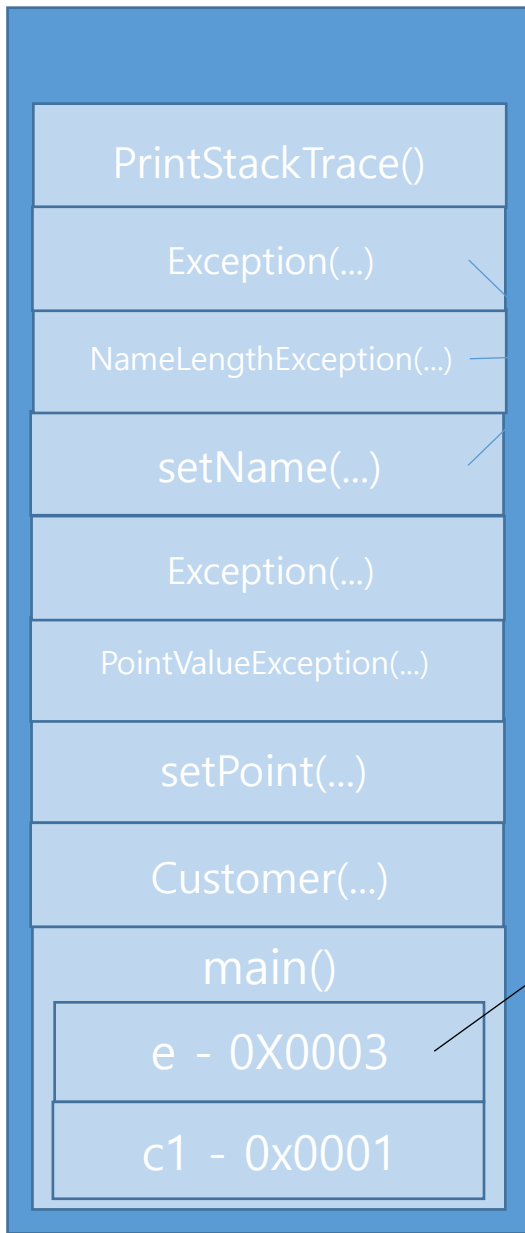


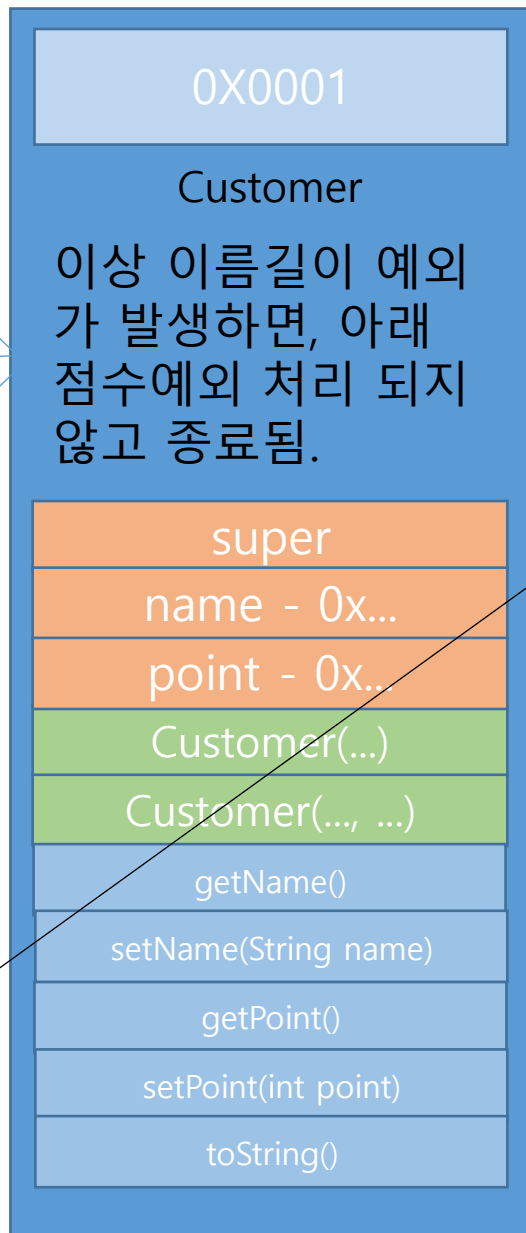
자바미션 #09

A014 손은빈

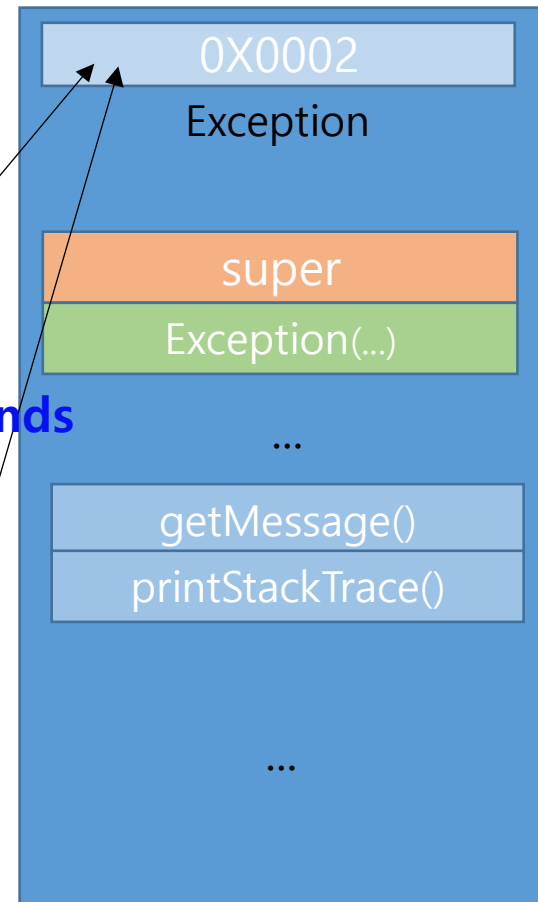
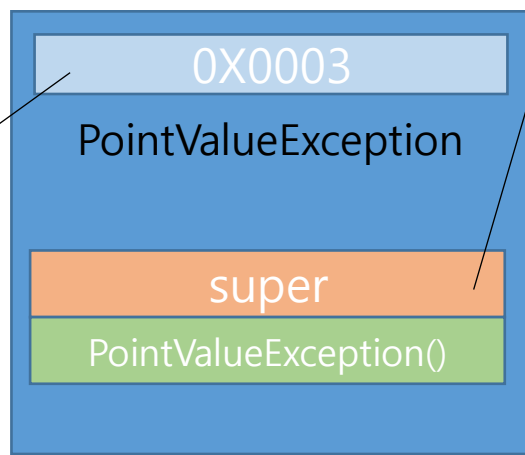
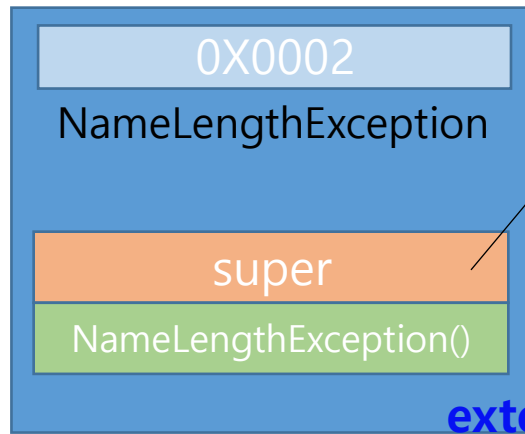
예외 처리 시 JVM 메모리 구조 그리기



STACK



HEAP



extends

이름이 정상 입력되고 점수가 비정상 입력된 경우, 점수예외가 생성됨

```
Customer c1=null;
try {
    c1 = new Customer("홍길동", -10);
} catch (NameLengthException | PointValueException e) {
    e.printStackTrace();
}
System.out.println(c1);
```

PointValueException.java

```
1
2 public class PointValueException extends Exception {
3
4     public PointValueException(String message) {
5         super(message);
6     }
7
8 }
9
```

DataCheckTest.java

```
10 public Customer(String name) throws NameLengthException, PointValueException {
11     this(name, 10);
12 }
13 public Customer(String name, int point) throws NameLengthException, PointValueException {
14     super();
15     setName(name);
16     setPoint(point);
17 }
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35 public void setPoint(int point) throws PointValueException {
36     if(point < 10)
37         throw new PointValueException("기본 포인트는 10포인트 이상");
38     this.point = point;
39 }
```

실행결과 - 테스트1(이름정상, 점수예외)

```
42 public class DataCheckTest {  
43     public static void main(String[] args) {  
44         // Customer c1=new Customer("홍길동", -10);  
45         Customer c1=null;  
46         try {  
47             c1 = new Customer("홍길동", -10);  
48         } catch (NameLengthException | PointValueException e) {  
49             e.printStackTrace();  
50         }  
51         System.out.println(c1);  
52     }  
53 }  
54
```

Console

<terminated> DataCheckTest [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (2022. 3. 24. 오후 8:04:29)

PointValueException: 기본 포인트는 10포인트 이상

at Customer.setPoint(DataCheckTest.java:36)

at Customer.<init>(DataCheckTest.java:17)

null

at DataCheckTest.main(DataCheckTest.java:47)

실행결과 - 테스트2(이름예외, 점수예외) ->
점수예외 메시지가 출력되지 않음

```
44 public class DataCheckTest {
45     public static void main(String[] args) {
46         // Customer c1=new Customer("홍길동", -10);
47         Customer c1=null;
48         try {
49             c1 = new Customer("홍", -10);
50         } catch (NameLengthException | PointValueException e) {
51             e.printStackTrace();
52         }
53         System.out.println(c1);
54     }
55 }
```

Console

<terminated> DataCheckTest [Java Application] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (2022. 3. 25. 오전 9:57:31)

null

NameLengthException: 이름 2~4

at Customer.setName(DataCheckTest.java:29)

at Customer.<init>(DataCheckTest.java:16)

at DataCheckTest.main(DataCheckTest.java:49)

