

JAVA Programming

Practice 6: Exception

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[실습 5-1] 기본 예외처리



```
package ch07;

public class BasicException {
    public static void main(String[] args) {
        try {
            int[] ar = new int[]{0, 100, 200, 300};
            for(int i=0; i<ar.length; i++) {
                if(i == 2)
                    throw new Exception();
                System.out.printf("ar[%d]=%d\n", i, ar[i]);
            }
        } catch (Exception e) {
            System.out.println(e.getMessage());
            e.printStackTrace();
        } finally {
            System.out.println("프로그램 종료");
        }
    }
}
```

```
Console
<terminated> BasicException [Java Application] /usr/java/jdk1.7.0/bin/java (Jun 21, 2012 4:36:04 PM)
ar[0]=0
ar[1]=100
null
java.lang.Exception
    at ch07.BasicException.main(BasicException.java:9)
프로그램 종료
```

[실습 5-2] 기본 예외처리



```
package ch07;

import java.io.FileNotFoundException;
import java.io.FileReader;

public class ErrorMain {
    public static void main(String[] args) {
        try {
            FileReader fr = new FileReader("a.txt");
        } catch (FileNotFoundException e) {
            System.out.println("해당 파일이 없습니다.");
        }
    }
}
```



[실습 5-3] 예외처리 예제- 컴퓨터 폭발



```
package ch07;

class BombComputer {
    boolean power; // = false; 기본값

    public void powerOn() {
        power = true;
        System.out.println("전원 ON");
    }

    public void powerOff() {
        power = false;
        System.out.println("전원 OFF");
    }

    public void process() throws Exception {
        System.out.println("작업1");
        System.out.println("작업2");
        throw new Exception("작업3, 평~");
    }
}
```

[실습 5-3] 예외처리 예제- 컴퓨터 폭발



```
public class BombComputerErrorMain {
    public static void main(String[] args) {
        BombComputer bc = new BombComputer();
        try {
            bc.powerOn();
            bc.process();
            // bc.powerOff();
        } catch (Exception e) {
            System.out.println("컴퓨터가 폭발하였습니다. 조치바람.");
        } finally {
            bc.powerOff();
        }
    }
}
```



Thank You!
Q&A