2024년 상반기 K-디지털 트레이닝

CLI Framework V0

[KB] IT's Your Life

```java
import java.util.Scanner;

public class App {
    public static void main(String[] args) {
        boolean run = true;
        int studentNum = 0;
        int[] scores = null;

        Scanner scanner = new Scanner(System.in);

        while(run) {
            System.out.println("--------------------------------------------------------------");
            System.out.println("1.학생수 ¦ 2.점수입력 ¦ 3.점수리스트 ¦ 4.분석 ¦ 5.종료");
            System.out.println("--------------------------------------------------------------");
            System.out.print("선택> ");
```

```java
int selectNo = Integer.parseInt(scanner.nextLine());
if(selectNo == 1) {
    System.out.print("학생수> ");
    studentNum = Integer.parseInt(scanner.nextLine());
    scores = new int[studentNum];
} else if(selectNo == 2) {
    for(int i=0; i<scores.length; i++) {
        System.out.print("scores[" + i + "]> ");
        scores[i] = Integer.parseInt(scanner.nextLine());
    }
} else if(selectNo == 3) {
    for(int i=0; i<scores.length; i++) {
        System.out.println("scores[" + i + "]: " + scores[i]);
    }
}
```

```java
        else if(selectNo == 4) {
            int max = 0;
            int sum = 0;
            double avg = 0;
            for(int i=0; i<scores.length; i++) {
                max = (max<scores[i])? scores[i] : max;
                sum += scores[i];
            }
            avg = (double) sum / studentNum;
            System.out.println("최고 점수: " + max);
            System.out.println("평균 점수: " + avg);
        } else if(selectNo == 5) {
            run = false;
        }
    }

    System.out.println("프로그램 종료");
    }
}
```

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✅ **문제점**

- 단일 책임의 원칙(Single Responsibility Principal) 위반