Here is the modified program:

Java

package Baitapbuoi8\_bai5;

import java.util.Scanner;

/\*

1) Xây dựng chương trình cho phép người dùng nhập vào: Tên, Mã SV, điểm Toán, Lý Hóa. Thực hiện các nghiệp vụ dưới đây.

• Tính điểm trung bình từng sinh viên ( T + L + H)/3

• Xếp loại từng sinh viên theo: >=9 -> Xuất Sắc, 9<Giỏi<=8, 8<Khá<=7, <7<=6, <=5, còn lại Yếu.

\*/

public class StudentApp {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter number of students: ");

int N = scanner.nextInt();

scanner.nextLine(); // Consume the left new line character in buffer

Student[] students = new Student[N];

for (int i = 0; i < students.length; i++) {

students[i] = new Student();

System.out.print("Enter student name: ");

students[i].name = scanner.nextLine();

System.out.print("Enter student id: ");

students[i].id = scanner.nextLine();

System.out.print("Enter the student's math mark: ");

students[i].mathMark = scanner.nextInt();

System.out.print("Enter the student's physic mark : ");

students[i].physicsMark = scanner.nextInt();

System.out.print("Enter the student's chemistry mark : ");

students[i].chemistryMark = scanner.nextInt();

scanner.nextLine();

}

System.out.println("Student Ranking:");

System.out.printf("%20s %10s %10s %10s\n", "Name", "ID", "Average score", "Rank");

for (Student student: students) {

student.calcScoreAverage();

student.ranking();

System.out.printf("%20s %10s %10.2f %10s\n", student.name, student.id, student.averageScore, student.rank);

}

scanner.close();

}

}

class Student {

String name;

String id;

float mathMark;

float physicsMark;

float chemistryMark;

float averageScore;

String rank;

public void calcScoreAverage() {

averageScore = (mathMark + physicsMark + chemistryMark) / 3;

}

public void ranking() {

if (averageScore >= 9) {

rank = "Excellent";

} else if (averageScore >= 8) {

rank = "Good";

} else if (averageScore >= 7) {

rank = "Fair";

} else if (averageScore >= 6) {

rank = "Average";

} else {

rank = "Weak";

}

}

}

Use code with caution. Learn more

This program first creates an array of Student objects. Then, it prompts the user to enter the student's name, ID, and scores. Finally, it calculates the student's average score and rank, and prints the student's information in a column-aligned format.

To run the program, you can save it as a .java file and compile it using the javac command. For example, if you saved the program as StudentApp.java, you would compile it using the following command:

javac StudentApp.java

Once the program is compiled, you can run it using the java command. For example, to run the program, you would use the following command:

java StudentApp

The program will then prompt you to enter the number of students. After you have entered the number of students, the program will prompt you to enter the student's information. Finally, the program will print the student's information in a column-aligned format.