

```

import java.util.Date;
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Date now = new Date();
        Scanner num = new Scanner(System.in);
        System.out.println(now);
        System.out.println("Enter number of student");
        int NumberOfStudent = num.nextInt();
        int[] midSemMarks = new int[NumberOfStudent];
        int[] endSemMarks = new int[NumberOfStudent];
        int[] finalMarks = new int[NumberOfStudent];
        int[] IndexNumber = new int[NumberOfStudent];
        String[] grades = new String[NumberOfStudent];

        for (int i=0; i<NumberOfStudent; i++) {
            System.out.print("Enter index number for student: ");
            IndexNumber[i] = num.nextInt();
            for (int j = 0; j < NumberOfStudent; j++) {
                System.out.print("Enter mid-semester marks for student
ID " + IndexNumber[j] + ": ");
                midSemMarks[j] = num.nextInt();
                midSemMarks[j] = (int) Math.round(((double)
midSemMarks[j] / 100) * 30);
                System.out.print("Enter end-of-semester marks for
student ID " + IndexNumber[j] + ": ");
                endSemMarks[j] = num.nextInt();
                endSemMarks[j] = (int) Math.round(((double)
endSemMarks[j] / 100) * 70);
                // Calculate final marks
                for (int k = 0; k < NumberOfStudent; k++) {
                    finalMarks[k] = midSemMarks[k] + endSemMarks[k];

                    // Determine grades
                    for (int l = 0; l < NumberOfStudent; l++) {
                        if (finalMarks[l] >= 70) {
                            grades[l] = "A";
                        } else if (finalMarks[l] >= 60) {
                            grades[l] = "B";
                        } else if (finalMarks[l] >= 50) {
                            grades[l] = "C";
                        } else if (finalMarks[l] >= 40) {
                            grades[l] = "D";
                        } else {
                            grades[l] = "F";
                        }
                    }
                }
            }
        }
        // Print results
        System.out.println("\nFinal Marks and Grades");
        System.out.println("=====");
        for (int x = 0; x < NumberOfStudent; x++) {
            System.out.println("Student ID " + IndexNumber[i] + ": "
+ finalMarks[x] + " " + grades[x] + "");
        }
    }
}

```

}
}