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] + "");  
 }  
  
 }  
 }  
 }