import java.util.Scanner;  
  
public class StudentGradeCalculator {  
 public static void main(String[] args) {  
 Scanner sc = new Scanner(System.*in*);  
 System.*out*.println("Enter Marks obtained in all subjects : ");  
 System.*out*.println("Subject 1 : ");  
 int a = sc.nextInt();  
 System.*out*.println("Subject 2 : ");  
 int b = sc.nextInt();  
 System.*out*.println("Subject 3 : ");  
 int c = sc.nextInt();  
 System.*out*.println("Subject 4 : ");  
 int d = sc.nextInt();  
 System.*out*.println("Subject 5 : ");  
 int e = sc.nextInt();  
 int sum = a + b + c + d + e;  
 System.*out*.println("Total Marks Obtained : " + sum);  
 float avg = sum / 5;  
 float percentage = avg;  
 System.*out*.println("Average Percentage : " + percentage);  
 if (percentage < 100 && percentage >= 90) {  
 System.*out*.println("Grade : A");  
 } else if (percentage < 90 && percentage >= 80) {  
 System.*out*.println("Grade : B");  
 } else if (percentage < 80 && percentage >= 70) {  
 System.*out*.println("Grade : C");  
 } else if (percentage < 70 && percentage >= 60) {  
 System.*out*.println("Grade : D");  
 } else if (percentage < 60 && percentage >= 50) {  
 System.*out*.println("Grade : E");  
 } else {  
 System.*out*.println("Fail");  
 }  
 do {  
 if (a < 40) {  
 System.*out*.println("Fail in Subject1");  
 break;  
 } else if (b < 40) {  
 System.*out*.println("Fail in Subject2");  
 break;  
 } else if (c < 40) {  
 System.*out*.println("Fail in Subject3");  
 break;  
 } else if (d < 40) {  
 System.*out*.println("Fail in Subject4");  
 break;  
 } else if (e < 40) {  
 System.*out*.println("Fail in Subject5");  
 break;  
 }  
 } while (sum > 0);  
 }  
}