import java.util.Scanner;

public class KboatSDAGrades

{

public static void main(String args[]) {

final int TOTAL\_STUDENTS = 100;

Scanner in = new Scanner(System.in);

int rollNo[] = new int[TOTAL\_STUDENTS];

String name[] = new String[TOTAL\_STUDENTS];

int s1[] = new int[TOTAL\_STUDENTS];

int s2[] = new int[TOTAL\_STUDENTS];

int s3[] = new int[TOTAL\_STUDENTS];

int s4[] = new int[TOTAL\_STUDENTS];

int s5[] = new int[TOTAL\_STUDENTS];

int s6[] = new int[TOTAL\_STUDENTS];

double p[] = new double[TOTAL\_STUDENTS];

char g[] = new char[TOTAL\_STUDENTS];

for (int i = 0; i < TOTAL\_STUDENTS; i++) {

System.out.println("Enter student " + (i+1) + " details:");

System.out.print("Roll No: ");

rollNo[i] = in.nextInt();

in.nextLine();

System.out.print("Name: ");

name[i] = in.nextLine();

System.out.print("Subject 1 Marks: ");

s1[i] = in.nextInt();

System.out.print("Subject 2 Marks: ");

s2[i] = in.nextInt();

System.out.print("Subject 3 Marks: ");

s3[i] = in.nextInt();

System.out.print("Subject 4 Marks: ");

s4[i] = in.nextInt();

System.out.print("Subject 5 Marks: ");

s5[i] = in.nextInt();

System.out.print("Subject 6 Marks: ");

s6[i] = in.nextInt();

p[i] = (((s1[i] + s2[i] + s3[i] + s4[i]

+ s5[i] + s6[i]) / 600.0) \* 100);

if (p[i] < 40)

g[i] = 'D';

else if (p[i] < 60)

g[i] = 'C';

else if (p[i] < 80)

g[i] = 'B';

else

g[i] = 'A';

}

System.out.println();

for (int i = 0; i < TOTAL\_STUDENTS; i++) {

System.out.println(rollNo[i] + "\t"

+ name[i] + "\t"

+ p[i] + "\t"

+ g[i]);

}

}

}