public class grades{

public static void main(String []args){

System.out.println(" MATH TEST RESULTS");

System.out.println(" \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

int []numberOrder= {1,2,3,4,5,6,7,8,9,10};

String [] names = {"Sara","Noura","Mariam","Basma","Fatima", "Nawal","Shaikha","Rawaah", "Sabeecha","Zaina"};

int[]studentPercentage={70,90,30,90,80,84,69,92,63,45};

char[]letterGrades= new char[10];

for (int i =0; i<10; i++)

letterGrades [i]= letterGradeFunction(studentPercentage[i]);

for (int i =0; i<10; i++)

System.out.println(numberOrder[i]+". "+names[i]+ ": " + letterGrades [i]);

System.out.println("////////////bonus 1///////////////");

int i = 0;

for (int grade : studentPercentage)

{

letterGrades [i]= letterGradeFunction(grade);

i++;

}

i = 0;

for (int grade : studentPercentage)

{

System.out.println(numberOrder[i]+". "+names[i]+ ": " +letterGrades [i]);

i++;

}

System.out.println("////////////bonus 2///////////////");

i =0;

while (i<10)

{

letterGrades [i]= letterGradeFunction(studentPercentage[i]);

i++;

}

i =0;

while (i<10)

{

System.out.println(numberOrder[i]+". "+names[i]+ ": " + letterGrades [i]);

i++;

}

System.out.println ();

for (i=0; i<10; i++)

{

if (letterGrades [i] == 'A' )

{

System.out.println("Good job "+ names [i]+ " ;)");

System.out.println("thank you "+ names [i]);

System.out.println();

}

}

}

public static char letterGradeFunction (int x)

{ if (x<60) {

return 'F';

}

else if (x<70) {

return 'D';

}

else if (x<80){

return 'C';

}

else if (x<90){

return 'B';

}

else{

return 'A';

}

}

}