#include<iostream>

#include<conio.h>

using namespace std;

void main(void)

{

int a, b, c, d, e;

cout << "\*\*\*\*\*\*\*\*\*\*MARKS SHEET\*\*\*\*\*\*\*\*\*\*" << endl;

cout << "ENTER MARKS OF 5 SUBJECTS BETWEEN 0 & 100" << endl;

cin >> a >> b >> c >> d >> e;

if (a >= 0 && a <= 100 && b >= 0 && b <= 100 && c >= 0 && c <= 100 && d >= 0 && d <= 100 && e >= 0 && e <= 100)

{ if (a >= 0 && a <= 49)

cout << "GRADE F IN MATH" << endl;

else if (a >= 50 && a <= 59)

cout << "GARDE C IN MATH" << endl;

else if (a >= 60 && a <= 69)

cout << "GARDE C+ IN MATH" << endl;

else if (a >= 70 && a <= 79)

cout << "GARDE B IN MATH" << endl;

else if (a >= 80 && a <= 89)

cout << "GRADE B+ IN MATH" << endl;

else if (a >= 90 && a <= 95)

cout << "GARDE A IN MATH" << endl;

else if (a >= 96 && a <= 99)

cout << "GARDE A+ IN MATH" << endl;

if (b >= 0 && b <= 49)

cout << "GRADE F IN PHYSICS" << endl;

else if (b >= 50 && b <= 59)

cout << "GARDE C IN PHYSICS" << endl;

else if (b >= 60 && b <= 69)

cout << "GARDE C+ IN PHYSICS" << endl;

else if (b >= 70 && b <= 79)

cout << "GARDE B IN PHYSICS" << endl;

else if (b >= 80 && b <= 89)

cout << "GRADE B+ IN PHYSICS" << endl;

else if (b >= 90 && b <= 95)

cout << "GARDE A IN PHYSICS" << endl;

if (c >= 0 && c <= 49)

cout << "GRADE F IN ELECTRONICS" << endl;

else if (c >= 50 && c <= 59)

cout << "GARDE C IN ELECTRONICS" << endl;

else if (c >= 60 && c <= 69)

cout << "GARDE C+ IN ELECTRONICS" << endl;

else if (c >= 70 && c <= 79)

cout << "GARDE B IN ELECTRONICS" << endl;

else if (c >= 80 && c <= 89)

cout << "GRADE B+ IN ELECTRONICS" << endl;

else if (c >= 90 && c <= 95)

cout << "GARDE A IN ELECTRONICS" << endl;

if (d >= 0 && d <= 49)

cout << "GRADE F IN ISLAMIAT" << endl;

else if (d >= 50 && d <= 59)

cout << "GARDE C IN ISLAMIAT" << endl;

else if (d >= 60 && d <= 69)

cout << "GARDE C+ IN ISLAMIAT" << endl;

else if (d >= 70 && d <= 79)

cout << "GARDE B IN ISLAMIAT" << endl;

else if (d >= 80 && d <= 89)

cout << "GRADE B+ IN ISLAMIAT" << endl;

else if (d >= 90 && d <= 95)

cout << "GARDE A IN ISLAMIAT" << endl;

if (e >= 0 && e <= 49)

cout << "GRADE F IN COMPUTER PROGRAMMING" << endl;

else if (e >= 60 && e <= 69)

cout << "GARDE C+ IN COMPUTER PROGRAMMING" << endl;

else if (e >= 70 && e <= 79)

cout << "GARDE B IN COMPUTER PROGRAMMING" << endl;

else if (e >= 80 && e <= 89)

cout << "GRADE B+ IN COMPUTER PROGRAMMING" << endl;

else if (e >= 90 && e <= 95)

cout << "GARDE A IN COMPUTER PROGRAMMING" << endl;

if (a >= 0 && a <= 49)

cout << "GPA : 2 MATH" << endl;

else if (a >= 50 && a <= 59)

cout << "GPA : 2.25 MATH" << endl;

else if (a >= 60 && a <= 69)

cout << "GPA : 2.5 MATH" << endl;

else if (a >= 70 && a <= 79)

cout << "GPA : 2.75 MATH" << endl;

else if (a >= 80 && a <= 89)

cout << "GPA : 3 MATH" << endl;

else if (a >= 90 && a <= 95)

cout << "GPA : 3.5 MATH" << endl;

else if (a >= 96 && a <= 99)

cout << "GPA : 4 MATH" << endl;

if (b >= 0 && b <= 49)

cout << "GPA : 2 PHYSICS" << endl;

else if (b >= 50 && b <= 59)

cout << "GPA : 2.25 PHYSICS" << endl;

else if (b >= 60 && b <= 69)

cout << "GPA : 2.5 PHYSICS" << endl;

else if (b >= 70 && b <= 79)

cout << "GPA : 2.75 PHYSICS" << endl;

else if (b >= 80 && b <= 89)

cout << "GPA : 3 PHYSICS" << endl;

else if (b >= 90 && b <= 95)

cout << "GPA : 3.5 PHYSICS" << endl;

else if (b >= 96 && b <= 99)

cout << "GPA : 4 PHYSICS" << endl;

if (c >= 0 && c <= 49)

cout << "GPA : 2 ISLAMIAT" << endl;

else if (c >= 50 && c <= 59)

cout << "GPA : 2.25 ISLAMIAT" << endl;

else if (c >= 60 && c <= 69)

cout << "GPA : 2.5 ISLAMIAT" << endl;

else if (c >= 70 && c <= 79)

cout << "GPA : 2.75 ISLAMIAT" << endl;

else if (c >= 80 && c <= 89)

cout << "GPA : 3 ISLAMIAT" << endl;

else if (c >= 90 && c <= 95)

cout << "GPA : 3.5 ISLAMIAT" << endl;

else if (c >= 96 && c <= 99)

cout << "GPA : 4 ISLAMIAT" << endl;

if (d >= 0 && d <= 49)

cout << "GPA : 2 ELECTRONICS" << endl;

else if (d >= 50 && d <= 59)

cout << "GPA : 2.25 ELECTRONICS" << endl;

else if (d >= 60 && d <= 69)

cout << "GPA : 2.5 ELECTRONICS" << endl;

else if (d >= 70 && d <= 79)

cout << "GPA : 2.75 ELECTRONICS" << endl;

else if (d >= 80 && d <= 89)

cout << "GPA : 3 ELECTRONICS" << endl;

else if (d >= 90 && d <= 95)

cout << "GPA : 3.5 ELECTRONICS" << endl;

else if (d >= 96 && d <= 99)

cout << "GPA : 4 ELECTRONICS" << endl;

if (e >= 0 && e <= 49)

cout << "GPA : 2 COMPUTER PROGRAMMING" << endl;

else if (e >= 50 && e <= 59)

cout << "GPA : 2.25 COMPUTER PROGRAMMING" << endl;

else if (e >= 60 && e <= 69)

cout << "GPA : 2.5 COMPUTER PROGRAMMING" << endl;

else if (e >= 70 && e <= 79)

cout << "GPA : 2.75 COMPUTER PROGRAMMING" << endl;

else if (e >= 80 && e <= 89)

cout << "GPA : 3 COMPUTER PROGRAMMING" << endl;

else if (e >= 90 && e <= 95)

cout << "GPA : 3.5 COMPUTER PROGRAMMING" << endl;

else if (e >= 96 && e <= 99)

cout << "GPA : 4 COMPUTER PROGRAMMING" << endl;

cout << a \* 100 / 100 << "% MATH" << endl;

cout << b \* 100 / 100 << "% PHYSICS" << endl;

cout << c \* 100 / 100 << "% ISLAMIAT" << endl;

cout << d \* 100 / 100 << "% ELECTRONIS" << endl;

cout << e \* 100 / 100 << "% COMPUTER PROGRAMMING" << endl;

}

else

cout << "Invalid";

\_getch();

}