public class ExamProgram{

public static void main (String[]args){

//variable declaration

int ass1, ass2, ass3, cat1, cat2, finalExam;

float courseWork, totalScore;

boolean repeat = false;

do{

System.out.println("Menu");

System.out.println("1. View coursework results");

System.out.println("2. View exam results");

System.out.println("3. Exit the program");

switch{

case 1:

System.out.println("Enter assignment 1 score");

System.out.println("Enter assignment 2 score");

System.out.println("Enter assignment 3 score");

System.out.println("Enter Cat 1 score");

System.out.println("Enter Cat 2 score");

Coursework = ass1 + ass2 + ass3 + cat1 + cat2;

System.out.println("Coursework results:"+coursework);

break;

case2:

System.out.println("Enter final exam score:");

Totalscore = coursework + finalexam;

System.out.println("Exam results:"+finalexam);

System.out.println("Total score:"+totalscore);

break;

case3:

System.out.println("Exit the program");

return;

default:

System.out.println("Invalid option. Please try again in a few minutes");

}

//counting function to compute the number of coursework assessments done

int count;

for(int count = 0; count < 5; count++){

if(count==0 && ass1 > 0)count++;

if(count==1 && ass2 > 0)count++;

if(count==2 && ass3 > 0)count++;

if(count==3 && cat1 > 0)count++;

if(count==4 && cat2 > 0)count++;

}

//Decision function to determine if the student has done 2/3 of coursework

if(count < (2.0/3.0)\*5){

repeat = true;

System.out.println("You need repeat the coursework");

}

else{

repeat = false;

}

{

while(true);

}

}