#include <iostream>

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using namespace std;

int main(){

    int score,a,

    homework, assignment , mid ,final, class\_room;

    char grade;

    cout << "How many time do you want to use?  ";

    cin >> a;

for (int i = 0; i < a; i++ ){

    do

    {

        cout << "Please Enter your score homework(0-15) : ";

        cin >> homework;

    } while (homework <= 15 || homework >= 0);

    do

    {

        cout << "Please Enter your score assignment(0-15) : ";

        cin >> assignment;

    } while (assignment <= 15 || assignment >= 0);

    do

    {

        cout << "Please Enter your score class room(0-10) : ";

        cin >> class\_room;

    } while (class\_room <= 10 || class\_room >= 0);

    do

    {

        cout << "Please Enter your score mid term(0-30) : ";

        cin >> mid;

    } while (mid <= 30 || mid >= 0);

    do

    {

        cout << "Please Enter your score final term(0-30) : ";

        cin >> final;

    } while (final <= 30 || final >= 0);

    score = homework + assignment + class\_room + mid + final;

    if (score >= 0 && score <= 100)

    {

    if (score <= 59)

    {

        grade = 'F';

    }else if (score <= 69)

    {

        grade = 'D';

    }else if (score <= 79)

    {

        grade = 'C';

    }else if (score <= 89)

    {

        grade = 'B';

    }else if (score >= 90)

    {

        grade = 'A';

    }else{

        cout << "\nError\n";

    }

    }else{

        cout << "\nPlease Enter score between 0 - 100\n";

    }

    cout << "Your score = " << score << endl;

    cout << "Grade : " << grade << endl;

    }

}



