CODING :

```cpp
//judul : Membuat KRS dan KHS
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//11 Okt 2022

#include <iostream>
using namespace std;

//kamus
int sks1, sks2, sks3, sks4, sks5, sks6, sks7, totsks, jmlh, a, jmlhmk;
float totnilai, rata,persentgs1, persentgs2, persentgs3, persentgs4, persentgs5, persentgs6, persentgs7;
float persenuts1, persenuts2, persenuts3, persenuts4, persenuts5, persenuts6, persenuts7;
float persenuas1, persenuas2, persenuas3, persenuas4, persenuas5, persenuas6, persenuas7;
float nilaitgs1, nilaitgs2, nilaitgs3, nilaitgs4, nilaitgs5, nilaitgs6, nilaitgs7;
float nilaiuts1, nilaiuts2, nilaiuts3, nilaiuts4, nilaiuts5, nilaiuts6, nilaiuts7;
float nilaiuas1, nilaiuas2, nilaiuas3, nilaiuas4, nilaiuas5, nilaiuas6, nilaiuas7;
float jn1, jn2, jn3, jn4, jn5, jn6, jn7;
float ip, ip1, ip2, ip3, ip4, ip5, ip6, ip7;
string pred1, pred2, pred3, pred4, pred5, pred6, pred7;
string nama, nim, prodi, jns, mk1, mk2, mk3, mk4, mk5, mk6, mk7;

//diskripsi
int main(){

    cout << "-----------------------------------" << endl;
    cout << "      KARTU RENCANA STUDI         " <<  endl;
    cout << "-----------------------------------" << endl;
    cout << "NIM             : " ; getline(cin, nim);
    cout << "NAMA              : " ; getline(cin, nama);
    cout << "Jumlah Mata Kuliah : " ; cin >> jmlhmk;
    cout << endl;
```

```cpp
cout << "Mata Kuliah Ke                : 1" << endl;
cout << "Masukkan Mata Kuliah          : " ; cin.ignore(); getline(cin, mk1);
cout << "SKS                           : " ; cin >> sks1;
cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;
cout << "--------------------------------" << endl;


do {
if(jns== "T" || jns=="t"){


    cout << "Persentase Nilai Tugas : " ; cin >> persentgs1;
    cout << "Nilai Tugas            : " ; cin >> nilaitgs1 ;
    cout << "Persentase Nilai UTS   : " ; cin >> persenuts1;
    cout << "Nilai UTS              : " ; cin >> nilaiuts1 ;
    cout << "Persentase Nilai UAS   : " ; cin >> persenuas1;
    cout << "Nilai UAS              : " ; cin >> nilaiuas1 ;


  }
  else if(jns=="P" || jns=="p"){
    cout << "Persentase Nilai Tugas : " ; cin >> persentgs1;
    cout << "Nilai Tugas            : " ; cin >> nilaitgs1 ;
    cout << "Persentase Nilai UTS   : " ; cin >> persenuts1;
    cout << "Nilai UTS              : " ; cin >> nilaiuts1 ;
    cout << "Persentase Nilai UAS   : " ; cin >> persenuas1;
    cout << "Nilai UAS              : " ; cin >> nilaiuas1 ;
  }
  else{
    cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs1;
    cout << "Nilai Tugas Teori            : " ; cin >> nilaitgs1 ;
    cout << "Persentase Nilai UTS Teori   : " ; cin >> persenuts1;
    cout << "Nilai UTS Teori              : " ; cin >> nilaiuts1 ;
    cout << "Persentase Nilai UAS Teori   : " ; cin >> persenuas1;
    cout << "Nilai UAS Teori              : " ; cin >> nilaiuas1 ;
```

```cpp
        cout << endl;
        cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs1;
        cout << "Nilai Tugas Praktik          : " ; cin >> nilaitgs1 ;
        cout << "Persentase Nilai UTS Praktik   : " ; cin >> persenuts1;
        cout << "Nilai UTS Praktik            : " ; cin >> nilaiuts1 ;
        cout << "Persentase Nilai UAS Praktik   : " ; cin >> persenuas1;
        cout << "Nilai UAS Praktik            : " ; cin >> nilaiuas1 ;
    }
    if(persentgs1+persenuts1+persenuas1!=100){
        cout << "Inputan salah, Persentase melebihi/kurang dari 100." << endl ;
        cout << "Masukkan inputan ulang!" << endl << endl;
    }
    }while(persentgs1+persenuts1+persenuas1!=100);


    cout << endl << endl;


if (jmlhmk >= 2){


cout << "Mata Kuliah Ke            : 2" << endl;
cout << "Masukkan Mata Kuliah         : " ; cin.ignore();getline(cin, mk2);
cout << "SKS                  : " ; cin >> sks2;
cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;
cout << "-------------------------------" << endl;


do {
    if(jns== "T" || jns=="t"){


        cout << "Persentase Nilai Tugas : " ; cin >> persentgs2;
        cout << "Nilai Tugas          : " ; cin >> nilaitgs2 ;
        cout << "Persentase Nilai UTS   : " ; cin >> persenuts2;
        cout << "Nilai UTS            : " ; cin >> nilaiuts2 ;
        cout << "Persentase Nilai UAS   : " ; cin >> persenuas2;
```

```cpp
        cout << "Nilai UAS            : " ; cin >> nilaiuas2 ;

    }
    else if(jns=="P" || jns=="p"){
        cout << "Persentase Nilai Tugas : " ; cin >> persentgs2;
        cout << "Nilai Tugas          : " ; cin >> nilaitgs2 ;
        cout << "Persentase Nilai UTS   : " ; cin >> persenuts2;
        cout << "Nilai UTS            : " ; cin >> nilaiuts2 ;
        cout << "Persentase Nilai UAS   : " ; cin >> persenuas2;
        cout << "Nilai UAS            : " ; cin >> nilaiuas2 ;
    }
    else{
        cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs2;
        cout << "Nilai Tugas Teori          : " ; cin >> nilaitgs2 ;
        cout << "Persentase Nilai UTS Teori   : " ; cin >> persenuts2;
        cout << "Nilai UTS Teori            : " ; cin >> nilaiuts2 ;
        cout << "Persentase Nilai UAS Teori   : " ; cin >> persenuas2;
        cout << "Nilai UAS Teori            : " ; cin >> nilaiuas2 ;
        cout << endl;
        cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs2;
        cout << "Nilai Tugas Praktik          : " ; cin >> nilaitgs2 ;
        cout << "Persentase Nilai UTS Praktik   : " ; cin >> persenuts2;
        cout << "Nilai UTS Praktik            : " ; cin >> nilaiuts2 ;
        cout << "Persentase Nilai UAS Praktik   : " ; cin >> persenuas2;
        cout << "Nilai UAS Praktik            : " ; cin >> nilaiuas2 ;
    }
    if(persentgs2+persenuts2+persenuas2!=100){
        cout << "Inputan salah, Persentase melebihi /kurang dari 100." << endl ;
        cout << "Masukkan inputan ulang!" << endl << endl;
    }
    }while(persentgs2+persenuts2+persenuas2!=100);
```

```cpp
        cout << endl << endl;

}


if(jmlhmk>=3) {

cout << "Mata Kuliah Ke              : 3" << endl;
cout << "Masukkan Mata Kuliah        : " ; cin.ignore();getline(cin, mk3);
cout << "SKS                         : " ; cin >> sks3;
cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;
cout << "-------------------------------" << endl;

do {
if(jns== "T" || jns=="t"){

    cout << "Persentase Nilai Tugas : " ; cin >> persentgs3;
    cout << "Nilai Tugas           : " ; cin >> nilaitgs3 ;
    cout << "Persentase Nilai UTS   : " ; cin >> persenuts3;
    cout << "Nilai UTS             : " ; cin >> nilaiuts3 ;
    cout << "Persentase Nilai UAS   : " ; cin >> persenuas3;
    cout << "Nilai UAS             : " ; cin >> nilaiuas3 ;

  }
  else if(jns=="P" || jns=="p"){
    cout << "Persentase Nilai Tugas : " ; cin >> persentgs3;
    cout << "Nilai Tugas           : " ; cin >> nilaitgs3 ;
    cout << "Persentase Nilai UTS   : " ; cin >> persenuts3;
    cout << "Nilai UTS             : " ; cin >> nilaiuts3 ;
    cout << "Persentase Nilai UAS   : " ; cin >> persenuas3;
    cout << "Nilai UAS             : " ; cin >> nilaiuas3 ;
  }
  else{
    cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs3;
```

```cpp
        cout << "Nilai Tugas Teori           : " ; cin >> nilaitgs3 ;
        cout << "Persentase Nilai UTS Teori   : " ; cin >> persenuts3;
        cout << "Nilai UTS Teori             : " ; cin >> nilaiuts3 ;
        cout << "Persentase Nilai UAS Teori   : " ; cin >> persenuas3;
        cout << "Nilai UAS Teori             : " ; cin >> nilaiuas3 ;
        cout << endl;
        cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs3;
        cout << "Nilai Tugas Praktik          : " ; cin >> nilaitgs3 ;
        cout << "Persentase Nilai UTS Praktik   : " ; cin >> persenuts3;
        cout << "Nilai UTS Praktik            : " ; cin >> nilaiuts3 ;
        cout << "Persentase Nilai UAS Praktik   : " ; cin >> persenuas3;
        cout << "Nilai UAS Praktik            : " ; cin >> nilaiuas3 ;
    }
    if(persentgs3+persenuts3+persenuas3!=100){
        cout << "Inputan salah, Persentase melebihi/kurang dari 100." << endl ;
        cout << "Masukkan inputan ulang!" << endl << endl;
    }
    }while(persentgs3+persenuts3+persenuas3!=100);

    cout << endl << endl;
}

if(jmlhmk>=4){

cout << "Mata Kuliah Ke              : 4" << endl;
cout << "Masukkan Mata Kuliah           : " ; cin.ignore();getline(cin, mk4);
cout << "SKS                    : " ; cin >> sks4;
cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;
cout << "-------------------------------" << endl;

do {
if(jns== "T" || jns=="t"){
```

```cpp
        cout << "Persentase Nilai Tugas : " ; cin >> persentgs4;
        cout << "Nilai Tugas          : " ; cin >> nilaitgs4 ;
        cout << "Persentase Nilai UTS   : " ; cin >> persenuts4;
        cout << "Nilai UTS            : " ; cin >> nilaiuts4 ;
        cout << "Persentase Nilai UAS   : " ; cin >> persenuas4;
        cout << "Nilai UAS            : " ; cin >> nilaiuas4 ;


    }
    else if(jns=="P" || jns=="p"){
        cout << "Persentase Nilai Tugas : " ; cin >> persentgs4;
        cout << "Nilai Tugas          : " ; cin >> nilaitgs4 ;
        cout << "Persentase Nilai UTS   : " ; cin >> persenuts4;
        cout << "Nilai UTS            : " ; cin >> nilaiuts4 ;
        cout << "Persentase Nilai UAS   : " ; cin >> persenuas4;
        cout << "Nilai UAS            : " ; cin >> nilaiuas4 ;
    }
    else{
        cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs4;
        cout << "Nilai Tugas Teori          : " ; cin >> nilaitgs4 ;
        cout << "Persentase Nilai UTS Teori   : " ; cin >> persenuts4;
        cout << "Nilai UTS Teori            : " ; cin >> nilaiuts4 ;
        cout << "Persentase Nilai UAS Teori   : " ; cin >> persenuas4;
        cout << "Nilai UAS Teori            : " ; cin >> nilaiuas4 ;
        cout << endl;
        cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs4;
        cout << "Nilai Tugas Praktik          : " ; cin >> nilaitgs4 ;
        cout << "Persentase Nilai UTS Praktik   : " ; cin >> persenuts4;
        cout << "Nilai UTS Praktik            : " ; cin >> nilaiuts4 ;
        cout << "Persentase Nilai UAS Praktik   : " ; cin >> persenuas4;
        cout << "Nilai UAS Praktik            : " ; cin >> nilaiuas4 ;
    }
```

```cpp
        if(persentgs4+persenuts4+persenuas4!=100){

            cout << "Inputan salah, Persentase melebihi/kurang dari 100." << endl ;

            cout << "Masukkan inputan ulang!" << endl << endl;

        }

    }while(persentgs4+persenuts4+persenuas4!=100);


    cout << endl << endl;

}


if(jmlhmk >= 5){


cout << "Mata Kuliah Ke           : 5" << endl;

cout << "Masukkan Mata Kuliah      : " ; cin.ignore();getline(cin, mk5);

cout << "SKS                  : " ; cin >> sks5;

cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;

cout << "-------------------------------" << endl;


do {
if(jns== "T" || jns=="t"){


        cout << "Persentase Nilai Tugas : " ; cin >> persentgs5;

        cout << "Nilai Tugas         : " ; cin >> nilaitgs5 ;

        cout << "Persentase Nilai UTS   : " ; cin >> persenuts5;

        cout << "Nilai UTS          : " ; cin >> nilaiuts5 ;

        cout << "Persentase Nilai UAS   : " ; cin >> persenuas5;

        cout << "Nilai UAS          : " ; cin >> nilaiuas5 ;


    }
    else if(jns=="P" || jns=="p"){

        cout << "Persentase Nilai Tugas : " ; cin >> persentgs5;

        cout << "Nilai Tugas         : " ; cin >> nilaitgs5 ;

        cout << "Persentase Nilai UTS   : " ; cin >> persenuts5;
```

```cpp
        cout << "Nilai UTS           : " ; cin >> nilaiuts5 ;
        cout << "Persentase Nilai UAS  : " ; cin >> persenuas5;
        cout << "Nilai UAS           : " ; cin >> nilaiuas5 ;
    }
    else{
        cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs5;
        cout << "Nilai Tugas Teori         : " ; cin >> nilaitgs5 ;
        cout << "Persentase Nilai UTS Teori  : " ; cin >> persenuts5;
        cout << "Nilai UTS Teori           : " ; cin >> nilaiuts5 ;
        cout << "Persentase Nilai UAS Teori  : " ; cin >> persenuas5;
        cout << "Nilai UAS Teori           : " ; cin >> nilaiuas5 ;
        cout << endl;
        cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs5;
        cout << "Nilai Tugas Praktik         : " ; cin >> nilaitgs5 ;
        cout << "Persentase Nilai UTS Praktik  : " ; cin >> persenuts5;
        cout << "Nilai UTS Praktik           : " ; cin >> nilaiuts5 ;
        cout << "Persentase Nilai UAS Praktik  : " ; cin >> persenuas5;
        cout << "Nilai UAS Praktik           : " ; cin >> nilaiuas5 ;
    }
    if(persentgs5+persenuts5+persenuas5!=100){
        cout << "Inputan salah, Persentase melebihi/kurang dari 100." << endl ;
        cout << "Masukkan inputan ulang!" << endl << endl;
    }
    }while(persentgs5+persenuts5+persenuas5!=100);


    cout << endl << endl;
}


if(jmlhmk>=6){

cout << "Mata Kuliah Ke           : 6" << endl;
cout << "Masukkan Mata Kuliah          : " ; cin.ignore();getline(cin, mk6);
```

```cpp
cout << "SKS                  : " ; cin >> sks6;
cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;
cout << "--------------------------------" << endl;


do {
if(jns== "T" || jns=="t"){

    cout << "Persentase Nilai Tugas : " ; cin >> persentgs6;
    cout << "Nilai Tugas           : " ; cin >> nilaitgs6 ;
    cout << "Persentase Nilai UTS   : " ; cin >> persenuts6;
    cout << "Nilai UTS             : " ; cin >> nilaiuts6 ;
    cout << "Persentase Nilai UAS   : " ; cin >> persenuas6;
    cout << "Nilai UAS             : " ; cin >> nilaiuas6 ;


   }
   else if(jns=="P" || jns=="p"){
     cout << "Persentase Nilai Tugas : " ; cin >> persentgs6;
     cout << "Nilai Tugas           : " ; cin >> nilaitgs6 ;
     cout << "Persentase Nilai UTS   : " ; cin >> persenuts6;
     cout << "Nilai UTS             : " ; cin >> nilaiuts6 ;
     cout << "Persentase Nilai UAS   : " ; cin >> persenuas6;
     cout << "Nilai UAS             : " ; cin >> nilaiuas6 ;
   }
   else{
     cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs6;
     cout << "Nilai Tugas Teori           : " ; cin >> nilaitgs6 ;
     cout << "Persentase Nilai UTS Teori   : " ; cin >> persenuts6;
     cout << "Nilai UTS Teori             : " ; cin >> nilaiuts6 ;
     cout << "Persentase Nilai UAS Teori   : " ; cin >> persenuas6;
     cout << "Nilai UAS Teori             : " ; cin >> nilaiuas6 ;
     cout << endl;
     cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs6;
```

```cpp
        cout << "Nilai Tugas Praktik          : " ; cin >> nilaitgs6 ;
        cout << "Persentase Nilai UTS Praktik  : " ; cin >> persenuts6;
        cout << "Nilai UTS Praktik            : " ; cin >> nilaiuts6 ;
        cout << "Persentase Nilai UAS Praktik  : " ; cin >> persenuas6;
        cout << "Nilai UAS Praktik            : " ; cin >> nilaiuas6 ;
    }
    if(persentgs6+persenuts6+persenuas6!=100){
        cout << "Inputan salah, Persentase melebihi/kurang dari 100." << endl ;
        cout << "Masukkan inputan ulang!" << endl << endl;
    }
    }while(persentgs6+persenuts6+persenuas6!=100);


    cout << endl << endl;
}


if (jmlhmk >= 7){
cout << "Mata Kuliah Ke             : 7" << endl;
cout << "Masukkan Mata Kuliah        : " ; cin.ignore();getline(cin, mk7);
cout << "SKS                  : " ; cin >> sks7;
cout << "Teori atau Praktik [T/P/(TP)]  : "; cin >> jns;
cout << "-------------------------------" << endl;


do {
if(jns== "T" || jns=="t"){


    cout << "Persentase Nilai Tugas : " ; cin >> persentgs7;
    cout << "Nilai Tugas          : " ; cin >> nilaitgs7 ;
    cout << "Persentase Nilai UTS  : " ; cin >> persenuts7;
    cout << "Nilai UTS            : " ; cin >> nilaiuts7 ;
    cout << "Persentase Nilai UAS  : " ; cin >> persenuas7;
    cout << "Nilai UAS            : " ; cin >> nilaiuas7 ;
```

```cpp
        }
    else if(jns=="P" || jns=="p"){
        cout << "Persentase Nilai Tugas : " ; cin >> persentgs7;
        cout << "Nilai Tugas          : " ; cin >> nilaitgs7 ;
        cout << "Persentase Nilai UTS   : " ; cin >> persenuts7;
        cout << "Nilai UTS            : " ; cin >> nilaiuts7 ;
        cout << "Persentase Nilai UAS   : " ; cin >> persenuas7;
        cout << "Nilai UAS            : " ; cin >> nilaiuas7 ;
    }
    else{
        cout << "Persentase Nilai Tugas Teori : " ; cin >> persentgs7;
        cout << "Nilai Tugas Teori          : " ; cin >> nilaitgs7 ;
        cout << "Persentase Nilai UTS Teori   : " ; cin >> persenuts7;
        cout << "Nilai UTS Teori            : " ; cin >> nilaiuts7 ;
        cout << "Persentase Nilai UAS Teori   : " ; cin >> persenuas7;
        cout << "Nilai UAS Teori            : " ; cin >> nilaiuas7 ;
        cout << endl;
        cout << "Persentase Nilai Tugas Praktik : " ; cin >> persentgs7;
        cout << "Nilai Tugas Praktik          : " ; cin >> nilaitgs7 ;
        cout << "Persentase Nilai UTS Praktik   : " ; cin >> persenuts7;
        cout << "Nilai UTS Praktik            : " ; cin >> nilaiuts7 ;
        cout << "Persentase Nilai UAS Praktik   : " ; cin >> persenuas7;
        cout << "Nilai UAS Praktik            : " ; cin >> nilaiuas7 ;
    }
    if(persentgs7+persenuts7+persenuas7!=100){
        cout << "Inputan salah, Persentase melebihi/kurang dari100." << endl ;
        cout << "Masukkan inputan ulang!" << endl << endl;
    }
    }while(persentgs7+persenuts7+persenuas7!=100);

}
```

```cpp
cout << endl;
cout << "-----------------------------------" << endl;
cout << "        KARTU HASIL STUDI          " << endl;
cout << "   UNIVERSITAS DIAN NUSWANTORO     " << endl;
cout << "-----------------------------------" << endl;
cout << "NIM           : " << nim << endl;
cout << "NAMA          : " << nama << endl;
cout << "JUMLAH MATA KULIAH : " << jmlhmk << endl;
switch (toupper(nim[0]))
    {
      case 'A' :
        {
          cout << "Fakultas      : Ilmu Komputer" << endl;
          switch (toupper(nim[1]))
           {
           case '1' :
             {
              cout << "Jenjang       : S1" << endl;
              switch(toupper(nim[2]))
               {
               case '1' :
                {
                   cout << "Program Studi  : Teknik Informatika" << endl;
                   break;
                }
                case '2' :
                {
                   cout << "Program Studi  : Sistem Informasi" << endl;
                   break;
                }
                case '4' :
                {
```

```cpp
            cout << "Program Studi  : Desain Komunikasi Visual" << endl;

            break;

        }

        case '5' :

        {

            cout << "Program Studi  : Ilmu Komunikasi" << endl;

            break;

        }

        default :

        {

            cout << "Tidak Ada" << endl;

            break;

        }

    }

    break;

    }

case '2' :

    {

        cout << "Jenjang        : D3" << endl;

        switch(toupper(nim[2]))

        {

        case '1' :

            {

                cout << "Program Studi  : Teknik Informatika" << endl;

                break;

            }

        case '2' :

            {

                cout << "Program Studi  : Sistem Informasi" << endl;

                break;

            }

        default :
```

```cpp
                {
                    cout << "Tidak Ada" << endl;

                    break;

                }

            }

        }

    }

    break;

}
switch (toupper(nim[0]))

{

    case 'B' :

    {

        cout << "Fakultas      : Ekonomi Dan Bisnis" << endl;

        switch (toupper(nim[1]))

        {

        case '1' :

            {

            cout << "Jenjang       : S1" << endl;

            switch(toupper(nim[2]))

            {

            case '1' :

             {

                cout << "Program Studi  : Manajemen" << endl;

                break;

             }

            case '2' :

            {

                cout << "Program Studi  : Akuntansi" << endl;

                break;

            }
```

```cpp
                default :
                {
                    cout << "Tidak Ada" << endl;
                    break;
                }
            }
            break;
        }
    case '2' :
        {
            cout << "Jenjang        : D3" << endl;
            switch(toupper(nim[2]))
            {
            case '1' :
                {
                    cout << "Program Studi  : Manajemen" << endl;
                    break;
                }
            case '2' :
                {
                    cout << "Program Studi  : Akuntansi" << endl;
                    break;
                }
            default :
                {
                    cout << "Tidak Ada" << endl;
                    break;
                }
            }
        }
    }
}
```

```cpp
    }
cout << "-------------------------------" << endl;
cout << "Mata Kuliah       : " << mk1 << endl;
cout << "Jumlah SKS        : " << sks1 << endl;
jn1 = ((nilaitgs1*persentgs1/100)+(nilaiuts1*persenuts1/100)+(nilaiuas1*persenuas1/100));
    if(jn1>=85){
        pred1 = "A";
    }
    else if(jn1>=80 || jn1<85){
        pred1 = "AB";
    }
    else if(jn1>=75 || jn1<80){
        pred1 = "B";
    }
    else if(jn1>=70 || jn1<75){
        pred1 = "BC";
    }
    else if(jn1>=65 || jn1<70){
        pred1 = "C";
    }
    else if(jn1>=60 || jn1<65){
        pred1 = "D";
    }
    else {
        pred1="E" ;
    }
cout << "Score           : " << jn1 << endl;
cout << "Predikat        : " << pred1 << endl;
cout << "-------------------------------" << endl;

if(jmlhmk >=2 ) {
```

```cpp
cout << "Mata Kuliah      : " << mk2 << endl;
cout << "Jumlah SKS       : " << sks2 << endl;
jn2 = ((nilaitgs2*persentgs2/100)+ (nilaiuts2*persenuts2/100)+(nilaiuas2*persenuas2/100));
    if(jn2>=85){
        pred2 = "A";
    }
    else if(jn2>=80 || jn2<85){
        pred2 = "AB";
    }
    else if(jn2>=75 || jn2<80){
        pred2 = "B";
    }
    else if(jn2>=70 || jn2<75){
        pred2 = "BC";
    }
    else if(jn2=65 || jn2<70){
        pred2 = "C";
    }
    else if(jn2>=60 || jn2<65){
        pred2 = "D";
    }
    else {
        pred2="E" ;
    }
cout << "Score            : " << jn2 << endl;
cout << "Predikat         : " << pred2 << endl;
cout << "--------------------------------" << endl;
}


if (jmlhmk >= 3) {

cout << "Mata Kuliah      : " << mk3 << endl;
```

```cpp
cout << "Jumlah SKS        : " << sks3 << endl;
jn3 = ((nilaitgs3*persentgs3/100)+ (nilaiuts3*persenuts3/100)+(nilaiuas3*persenuas3/100));
    if(jn3>=85){
        pred3 = "A";
    }
    else if(jn3>=80 || jn3<85){
        pred3 = "AB";
    }
    else if(jn3>=75 || jn3<80){
        pred3 = "B";
    }
    else if(jn3>=70 || jn3<75){
        pred3 = "BC";
    }
    else if(jn3>=65 || jn3<70){
        pred3 = "C";
    }
    else if(jn3>=60 || jn3<65){
        pred3 = "D";
    }
    else {
        pred3="E" ;
    }
cout << "Score           : " << jn3 << endl;
cout << "Predikat        : " << pred3 << endl;
cout << "-------------------------------" << endl;
}

if (jmlhmk >= 4){

cout << "Mata Kuliah      : " << mk4 << endl;
cout << "Jumlah SKS        : " << sks4 << endl;
```

```cpp
jn4 = ((nilaitgs4*persentgs4/100)+ (nilaiuts4*persenuts4/100)+(nilaiuas4*persenuas4/100));
    if(jn4>=85){

        pred4 = "A";

    }
    else if(jn4>=80 || jn4<85){

        pred4 = "AB";

    }
    else if(jn4>=75 || jn4<80){

        pred4 = "B";

    }
    else if(jn4>=70 || jn4<75){

        pred4 = "BC";

    }
    else if(jn4>=65 || jn4<70){

        pred4 = "C";

    }
    else if(jn4>=60 || jn4<65){

        pred4 = "D";

    }
    else {

        pred4="E" ;

    }
cout << "Score           : " << jn4 << endl;
cout << "Predikat        : " << pred4 << endl;
cout << "-------------------------------" << endl;
}


if (jmlhmk >= 5) {


cout << "Mata Kuliah       : " << mk5 << endl;
cout << "Jumlah SKS        : " << sks5 << endl;
jn5 = ((nilaitgs5*persentgs5/100)+ (nilaiuts5*persenuts5/100)+(nilaiuas5*persenuas5/100));
```

```cpp
    if(jn5>=85){

        pred5 = "A";

    }

    else if(jn5>=80 || jn5<85){

        pred5 = "AB";

    }

    else if(jn5>=75 || jn5<80){

        pred5 = "B";

    }

    else if(jn5>=70 || jn5<75){

        pred5 = "BC";

    }

    else if(jn5>=65 || jn5<75){

        pred5 = "C";

    }

    else if(jn5>=60 || jn5<65){

        pred5 = "D";

    }

    else {

        pred5 ="E" ;

    }

cout << "Score           : " << jn5 << endl;

cout << "Predikat        : " << pred5 << endl;

cout << "-------------------------------" << endl;

}


if (jmlhmk >= 6) {


cout << "Mata Kuliah      : " << mk6 << endl;

cout << "Jumlah SKS       : " << sks6 << endl;

jn6 = ((nilaitgs6*persentgs6/100)+ (nilaiuts6*persenuts6/100)+(nilaiuas6*persenuas6/100));

    if(jn6>=85){
```

```cpp
            pred6 = "A";
        }
        else if(jn6>=80 || jn6<85){
            pred6 = "AB";
        }
        else if(jn6>=75 || jn6<80){
            pred6 = "B";
        }
        else if(jn6>=70 || jn6<75){
            pred6 = "BC";
        }
        else if(jn6>=65 || jn6<70){
            pred6 = "C";
        }
        else if(jn6>=60 || jn6<65){
            pred6 = "D";
        }
        else {
            pred6 ="E" ;
        }
cout << "Score            : " << jn6 << endl;
cout << "Predikat         : " << pred6 << endl;
cout << "-------------------------------" << endl;
}


if (jmlhmk >=7){

cout << "Mata Kuliah       : " << mk7 << endl;
cout << "Jumlah SKS        : " << sks7 << endl;
jn7 = ((nilaitgs7*persentgs7/100)+ (nilaiuts7*persenuts7/100)+(nilaiuas7*persenuas7/100));
    if(jn7>=85){
        pred7 = "A";
```

```cpp
        }
      else if(jn7>=80 || jn7<85){
          pred7 = "AB";
      }
      else if(jn7>=75 || jn7<80){
          pred7 = "B";
      }
      else if(jn7>=70 || jn7<75){
          pred7 = "BC";
      }
      else if(jn7>=65 || jn7<70){
          pred7 = "C";
      }
      else if(jn7>=60 || jn7<65){
          pred7 = "D";
      }
      else {
          pred7 ="E" ;
      }
   cout << "Score           : " << jn7 << endl;
   cout << "Predikat        : " << pred7 << endl;
   cout << "-------------------------------" << endl;
   }


   ip1 = (jn1+jn2+jn3+jn4+jn5+jn6+jn7) / jmlhmk;
   cout << "IP Semester       : " << ip1 << endl;
   return 0;
}
```

```
-------------------------------------
        KARTU RENCANA STUDI
-------------------------------------

NIM                  : A11.2022.13980
NAMA                 : NISA
Jumlah Mata Kuliah : 4

Mata Kuliah Ke                 : 1
Masukkan Mata Kuliah           : KALKULUS
SKS                            : 2
Teori atau Praktik [T/P/(TP)]  : T
-------------------------------------
Persentase Nilai Tugas : 40
Nilai Tugas            : 90
Persentase Nilai UTS   : 30
Nilai UTS              : 89
Persentase Nilai UAS   : 30
Nilai UAS              : 80


Mata Kuliah Ke                 : 2
Masukkan Mata Kuliah           : DASAR PEMROGRAMAN
SKS                            : 3
Teori atau Praktik [T/P/(TP)]  : P
-------------------------------------
Persentase Nilai Tugas : 40
Nilai Tugas            : 89
Persentase Nilai UTS   : 30
Nilai UTS              : 90
Persentase Nilai UAS   : 30
Nilai UAS              : 87

Mata Kuliah Ke                 : 3
Masukkan Mata Kuliah           : DASAR DASAR KOMPUTASI
SKS                            : 2
Teori atau Praktik [T/P/(TP)]  : P
-------------------------------------
Persentase Nilai Tugas : 30
Nilai Tugas            : 90
Persentase Nilai UTS   : 30
Nilai UTS              : 90
Persentase Nilai UAS   : 40
Nilai UAS              : 87


Mata Kuliah Ke                 : 4
Masukkan Mata Kuliah           : MATEMATIKA DISKRIT
SKS                            : 4
```

```
Mata Kuliah Ke              : 4
Masukkan Mata Kuliah        : MATEMATIKA DISKRIT
SKS                         : 4
Teori atau Praktik [T/P/(TP)]  : T
-------------------------------
Persentase Nilai Tugas : 40
Nilai Tugas            : 90
Persentase Nilai UTS   : 30
Nilai UTS              : 80
Persentase Nilai UAS   : 20
Nilai UAS              : 80
Inputan salah, Persentase melebihi/kurang dari 100.
Masukkan inputan ulang!

Persentase Nilai Tugas : 40
Nilai Tugas            : 90
Persentase Nilai UTS   : 30
Nilai UTS              : 89
Persentase Nilai UAS   : 30
Nilai UAS              : 78


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      KARTU HASIL STUDI
   UNIVERSITAS DIAN NUSWANTORO
-------------------------------
NIM          : A11.2022.13980
NAMA         : NISA
JUMLAH MATA KULIAH : 4
Fakultas     : Ilmu Komputer
Jenjang      : S1
Program Studi  : Teknik Informatika
-------------------------------
Mata Kuliah    : KALKULUS
Jumlah SKS     : 2
Score          : 86.7
Predikat       : A
-------------------------------
Mata Kuliah    : DASAR PEMROGRAMAN
Jumlah SKS     : 3
Score          : 88.7
Predikat       : A
-------------------------------
Mata Kuliah    : DASAR DASAR KOMPUTASI
Jumlah SKS     : 2
Score          : 88.8
Predikat       : A
```

```
Nilai UAS              : 78


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        KARTU HASIL STUDI
    UNIVERSITAS DIAN NUSWANTORO
-----------------------------------
NIM          : A11.2022.13980
NAMA         : NISA
JUMLAH MATA KULIAH : 4
Fakultas     : Ilmu Komputer
Jenjang      : S1
Program Studi  : Teknik Informatika
-----------------------------------
Mata Kuliah    : KALKULUS
Jumlah SKS     : 2
Score          : 86.7
Predikat       : A
-----------------------------------
Mata Kuliah    : DASAR PEMROGRAMAN
Jumlah SKS     : 3
Score          : 88.7
Predikat       : A
-----------------------------------
Mata Kuliah    : DASAR DASAR KOMPUTASI
Jumlah SKS     : 2
Score          : 88.8
Predikat       : A
-----------------------------------
Mata Kuliah    : MATEMATIKA DISKRIT
Jumlah SKS     : 4
Score          : 86.1
Predikat       : A
-----------------------------------
IP Semester            : 87.575

Process returned 0 (0x0)   execution time : 108.320 s
Press any key to continue.
```