```cpp
//judul:

#include <iostream>
using namespace std;

//kamus:

string ulang, nama, prodi, nim1, nim2, nim3, matkul1, matkul2, matkul3, matkul4, matkul5,
matkul6, matkul7;
int i, jMatkul, sks1, sks2, sks3, sks4, sks5, sks6, sks7;
float nMid,nUAS, nTugas, score1, score2, score3, score4, score5, score6, score7, bobot1,
bobot2, bobot3, bobot4, bobot5, bobot6, bobot7, ips;
char huruf;


//diskripsi
int main()
{


    do
    {

    cout << "NIM (Masukkan 3 karakter awal)\t\t : ";
    cin >> nim1;
    cout << "NIM (Masukkan 4 angka di tengah)\t : ";
    cin >> nim2;
    cout << "NIM (Masukkan 5 angka terakhir)\t\t : ";
    cin >> nim3;
    cout << "" <<endl;
    cout << "" <<endl;
    cout << "" <<endl;
    cout << "========================================= SISTEM PENILAIAN
=================================================" <<endl;
    cout << "==================================== UNIVERSITAS DIAN NUSWANTORO
====================================" <<endl;
    cout << "" <<endl;
    cout << "NIM\t\t : " <<nim1<<"."<<nim2<<"."<<nim3<<"\t\t\t\t\t";

    if (nim1=="A11")
    {
        cout <<"PRODI\t\t : TEKNIK INFORMATIKA" << endl;
    }
    else if (nim1=="A12")
    {
        cout <<"PRODI\t\t : SISTEM INFORMASI" << endl;
    }
    else if (nim1=="A13")
    {
        cout <<"PRODI\t\t :BROADCAST"<< endl;
    }
    else if (nim1=="A14")
    {
        cout <<"PRODI\t\t :DESAIN KOMUNIKASI VISUAL" << endl;
    }
    else
    {
        cout << "Prodi tidak terdeteksi." << endl;
    }



    cout << "NAMA\t\t : ";
    cin >> nama;


    cout <<""<<endl;
    cout <<"_____" << endl;
    cout <<"Mata Kuliah\t: ";
    cin >> matkul1;
    cout <<"Jumlah SKS\t: ";
    cin >> sks1;
    cout << "Niai Mid (35%)\t: ";
    cin >> nMid;
    cout << "Niai UAS (35%)\t: ";
    cin >> nUAS;
    cout << "Niai Tugas(30%)\t: ";
    cin >> nTugas;
    score1=nMid*35/100+nUAS*35/100+nTugas*30/100;
```

```cpp
    cout <<"Score\t\t: "<<score1<<endl;
    if (score1>=90 && score1<=100)
    {
        cout <<"Huruf\t\t: A" <<endl;
        cout << "bobot\t\t: " <<(bobot1=4);
    }
    else if (score1>=80 && score1<=89,9)
    {
        cout <<"Huruf\t\t: AB"<<endl;
        cout << "bobot\t\t: " <<(bobot1=3,5);
    }
     else if (score1>=70 && score1<=79,9)
    {
        cout <<"Huruf\t\t: B"<<endl;
        cout << "bobot\t\t: " <<(bobot1=3);
    }
     else if (score1>60 && score1<=69,9)
    {
        cout <<"Huruf\t\t: BC"<<endl;
        cout << "bobot\t\t: " <<(bobot1=2,5);
    }
     else if (score1>=50 && score1<=59,9)
    {
        cout <<"Huruf\t\t: C"<<endl;
        cout << "bobot\t\t: " <<(bobot1=2);
    }
     else if (score1>40 && score1<=49,9)
    {
        cout <<"Huruf\t\t: CD"<<endl;
        cout << "bobot\t\t: " <<(bobot1=1,5);
    }
     else if (score1>30 && score1<=39,9)
    {
        cout <<"Huruf\t\t: D"<<endl;
        cout << "bobot\t\t: " <<(bobot1=1);
    }
     else if (score1>20 && score1<=29,9)
    {
        cout <<"Huruf\t\t: DE"<<endl;
        cout << "bobot\t\t: " <<(bobot1=0,5);
    }
    else if (score1>0 && score1<=19,9)
    {
        cout <<"Huruf\t\t: E"<<endl;
        cout << "bobot\t\t: " <<(bobot1=0);
    }




    cout <<""<<endl;
    cout <<"_____" << endl;
    cout <<"Mata Kuliah\t: ";
    cin >> matkul2;
    cout <<"Jumlah SKS\t: ";
    cin >> sks2;
    cout << "Niai Mid (35%)\t: ";
    cin >> nMid;
    cout << "Niai UAS (35%)\t: ";
    cin >> nUAS;
    cout << "Niai Tugas(30%)\t: ";
    cin >> nTugas;
    score2=nMid*35/100+nUAS*35/100+nTugas*30/100;
    cout <<"Score\t\t: "<<score2<<endl;
    if (score2>=90 && score2<=100)
    {
        cout <<"Huruf\t\t: A"<<endl;
        cout << "bobot\t\t: " <<(bobot2=4);
    }
    else if (score2>=80 && score2<=89,9)
    {
        cout <<"Huruf\t\t: AB"<<endl;
        cout << "bobot\t\t: " <<(bobot2=3,5);
    }
     else if (score2>=70 && score2<=79,9)
    {
        cout <<"Huruf\t\t: B"<<endl;
        cout << "bobot\t\t: " <<(bobot2=3);
    }
```

```cpp
        else if (score2>60 && score2<=69,9)
      {
           cout <<"Huruf\t\t: BC"<<endl;
           cout << "bobot\t\t: " <<(bobot2=2,5);
      }
       else if (score2>=50 && score2<=59,9)
      {
           cout <<"Huruf\t\t: C"<<endl;
           cout << "bobot\t\t: " <<(bobot2=2);
      }
       else if (score2>40 && score2<=49,9)
      {
           cout <<"Huruf\t\t: CD";
           cout << "bobot\t\t: " <<(bobot2=1,5);
      }
       else if (score2>30 && score2<=39,9)
      {
           cout <<"Huruf\t\t: D"<<endl;
           cout << "bobot\t\t: " <<(bobot2=1);
      }
       else if (score2>20 && score2<=29,9)
      {
           cout <<"Huruf\t\t: DE"<<endl;
           cout << "bobot\t\t: " <<(bobot2=0,5);
      }
      else if (score2>0 && score2<=19,9)
      {
           cout <<"Huruf\t\t: E"<<endl;
           cout << "bobot\t\t: " <<(bobot2=0);
      }



      cout <<""<<endl;
      cout <<"_____" << endl;
      cout <<"Mata Kuliah\t: ";
      cin >> matkul3;
      cout <<"Jumlah SKS\t: ";
      cin >> sks3;
      cout << "Niai Mid (35%)\t: ";
      cin >> nMid;
      cout << "Niai UAS (35%)\t: ";
      cin >> nUAS;
      cout << "Niai Tugas(30%)\t: ";
      cin >> nTugas;
      score3=nMid*35/100+nUAS*35/100+nTugas*30/100;
      cout <<"Score\t\t: "<<score3<<endl;
      if (score3>=90 && score3<=100)
      {
            cout <<"Huruf\t\t: A"<<endl;
            cout << "bobot\t\t: " <<(bobot3=4);
      }
      else if (score3>=80 && score3<=89,9)
      {
           cout <<"Huruf\t\t: AB"<<endl;
           cout << "bobot\t\t: " <<(bobot3=3,5);
      }
       else if (score3>=70 && score3<=79,9)
      {
           cout <<"Huruf\t\t: B"<<endl;
           cout << "bobot\t\t: " <<(bobot3=3);
      }
       else if (score3>60 && score3<=69,9)
      {
           cout <<"Huruf\t\t: BC"<<endl;
           cout << "bobot\t\t: " <<(bobot3=2,5);
      }
       else if (score3>=50 && score3<=59,9)
      {
           cout <<"Huruf\t\t: C"<<endl;
           cout << "bobot\t\t: " <<(bobot3=2);
      }
       else if (score3>40 && score3<=49,9)
      {
           cout <<"Huruf\t\t: CD"<<endl;
           cout << "bobot\t\t: " <<(bobot3=1,5);
      }
       else if (score3>30 && score3<=39,9)
      {
```

```cpp
            cout <<"Huruf\t\t: D"<<endl;
            cout << "bobot\t\t: " <<(bobot3=1);
        }
         else if (score3>20 && score3<=29,9)
        {
            cout <<"Huruf\t\t: DE"<<endl;
            cout << "bobot\t\t: " <<(bobot3=0,5);
        }
        else if (score3>0 && score3<=19,9)
        {
            cout <<"Huruf\t\t: E"<<endl;
            cout << "bobot\t\t: " <<(bobot3=0);
        }



        cout <<""<<endl;
        cout <<"_____" << endl;
        cout <<"Mata Kuliah\t: ";
        cin >> matkul4;
        cout <<"Jumlah SKS\t: ";
        cin >> sks4;
        cout << "Niai Mid (35%)\t: ";
        cin >> nMid;
        cout << "Niai UAS (35%)\t: ";
        cin >> nUAS;
        cout << "Niai Tugas(30%)\t: ";
        cin >> nTugas;
        score4=nMid*35/100+nUAS*35/100+nTugas*30/100;
        cout <<"Score\t\t: "<<score4<<endl;
        if (score4>=90 && score4<=100)
        {
             cout <<"Huruf\t\t: A"<<endl;
             cout << "bobot\t\t: " <<(bobot4=4);
        }
        else if (score4>=80 && score4<=89,9)
        {
            cout <<"Huruf\t\t: AB"<<endl;
            cout << "bobot\t\t: " <<(bobot4=3,5);
        }
         else if (score4>=70 && score4<=79,9)
        {
            cout <<"Huruf\t\t: B"<<endl;
            cout << "bobot\t\t: " <<(bobot4=3);
        }
         else if (score4>60 && score4<=69,9)
        {
            cout <<"Huruf\t\t: BC"<<endl;
            cout << "bobot\t\t: " <<(bobot4=2,5);
        }
         else if (score4>=50 && score4<=59,9)
        {
            cout <<"Huruf\t\t: C"<<endl;
            cout << "bobot\t\t: " <<(bobot4=2);
        }
         else if (score4>40 && score4<=49,9)
        {
            cout <<"Huruf\t\t: CD"<<endl;
            cout << "bobot\t\t: " <<(bobot4=1,5);
        }
         else if (score4>30 && score4<=39,9)
        {
            cout <<"Huruf\t\t: D"<<endl;
            cout << "bobot\t\t: " <<(bobot4=1);
        }
         else if (score4>20 && score4<=29,9)
        {
            cout <<"Huruf\t\t: DE"<<endl;
            cout << "bobot\t\t: " <<(bobot4=0,5);
        }
        else if (score4>0 && score4<=19,9)
        {
            cout <<"Huruf\t\t: E"<<endl;
            cout << "bobot\t\t: " <<(bobot4=0);
        }



        cout <<""<<endl;
```

```cpp
313         cout <<"_____" << endl;
314         cout <<"Mata Kuliah\t: ";
315         cin >> matkul5;
316         cout <<"Jumlah SKS\t: ";
317         cin >> sks5;
318         cout << "Niai Mid (35%)\t: ";
319         cin >> nMid;
320         cout << "Niai UAS (35%)\t: ";
321         cin >> nUAS;
322         cout << "Niai Tugas(30%)\t: ";
323         cin >> nTugas;
324         score5=nMid*35/100+nUAS*35/100+nTugas*30/100;
325         cout <<"Score\t\t: "<<score5<<endl;
326         if (score5>=90 && score5<=100)
327         {
328              cout <<"Huruf\t\t: A"<<endl;
329              cout << "bobot\t\t: " <<(bobot5=4);
330         }
331         else if (score5>=80 && score5<=89,9)
332         {
333             cout <<"Huruf\t\t: AB"<<endl;
334             cout << "bobot\t\t: " <<(bobot5=3,5);
335         }
336          else if (score5>=70 && score5<=79,9)
337         {
338             cout <<"Huruf\t\t: B"<<endl;
339             cout << "bobot\t\t: " <<(bobot5=3);
340         }
341          else if (score5>60 && score5<=69,9)
342         {
343             cout <<"Huruf\t\t: BC"<<endl;
344             cout << "bobot\t\t: " <<(bobot5=2,5);
345         }
346          else if (score5>=50 && score5<=59,9)
347         {
348             cout <<"Huruf\t\t: C"<<endl;
349             cout << "bobot\t\t: " <<(bobot5=2);
350         }
351          else if (score5>40 && score5<=49,9)
352         {
353             cout <<"Huruf\t\t: CD"<<endl;
354             cout << "bobot\t\t: " <<(bobot5=1,5);
355         }
356          else if (score5>30 && score5<=39,9)
357         {
358             cout <<"Huruf\t\t: D"<<endl;
359             cout << "bobot\t\t: " <<(bobot5=1);
360         }
361          else if (score5>20 && score5<=29,9)
362         {
363             cout <<"Huruf\t\t: DE"<<endl;
364             cout << "bobot\t\t: " <<(bobot5=0,5);
365         }
366         else if (score5>0 && score5<=19,9)
367         {
368             cout <<"Huruf\t\t: E"<<endl;
369             cout << "bobot\t\t: " <<(bobot5=0);
370         }



374         cout <<""<<endl;
375         cout <<"_____" << endl;
376         cout <<"Mata Kuliah\t: ";
377         cin >> matkul6;
378         cout <<"Jumlah SKS\t: ";
379         cin >> sks6;
380         cout << "Niai Mid (35%)\t: ";
381         cin >> nMid;
382         cout << "Niai UAS (35%)\t: ";
383         cin >> nUAS;
384         cout << "Niai Tugas(30%)\t: ";
385         cin >> nTugas;
386         score6=nMid*35/100+nUAS*35/100+nTugas*30/100;
387         cout <<"Score\t\t: "<<score6<<endl;
388         if (score6>=90 && score6<=100)
389         {
390              cout <<"Huruf\t\t: A"<<endl;
391              cout << "bobot\t\t: " <<(bobot6=4);
```

```cpp
        }
        else if (score6>=80 && score6<=89,9)
        {
            cout <<"Huruf\t\t: AB"<<endl;
            cout << "bobot\t\t: " <<(bobot6=3,5);
        }
         else if (score6>=70 && score6<=79,9)
        {
            cout <<"Huruf\t\t: B"<<endl;
            cout << "bobot\t\t: " <<(bobot6=3);
        }
         else if (score6>60 && score6<=69,9)
        {
            cout <<"Huruf\t\t: BC"<<endl;
            cout << "bobot\t\t: " <<(bobot6=2,5);
        }
         else if (score6>=50 && score6<=59,9)
        {
            cout <<"Huruf\t\t: C"<<endl;
            cout << "bobot\t\t: " <<(bobot6=2);
        }
         else if (score6>40 && score6<=49,9)
        {
            cout <<"Huruf\t\t: CD"<<endl;
            cout << "bobot\t\t: " <<(bobot6=1,5);
        }
         else if (score6>30 && score6<=39,9)
        {
            cout <<"Huruf\t\t: D"<<endl;
            cout << "bobot\t\t: " <<(bobot6=1);
        }
         else if (score6>20 && score6<=29,9)
        {
            cout <<"Huruf\t\t: DE"<<endl;
            cout << "bobot\t\t: " <<(bobot6=0,5);
        }
        else if (score6>0 && score6<=19,9)
        {
            cout <<"Huruf\t\t: E"<<endl;
            cout << "bobot\t\t: " <<(bobot6=0);
        }



        cout <<""<<endl;
        cout <<"_____" << endl;
        cout <<"Mata Kuliah\t: ";
        cin >> matkul7;
        cout <<"Jumlah SKS\t: ";
        cin >> sks7;
        cout << "Niai Mid (35%)\t: ";
        cin >> nMid;
        cout << "Niai UAS (35%)\t: ";
        cin >> nUAS;
        cout << "Niai Tugas(30%)\t: ";
        cin >> nTugas;
        score7=nMid*35/100+nUAS*35/100+nTugas*30/100;
        cout <<"Score\t\t: "<<score7<<endl;
        if (score7>=90 && score7<=100)
        {
            cout <<"Huruf\t\t: A"<<endl;
            cout << "bobot\t\t: " <<(bobot7=4)<<endl;
        }
        else if (score7>=80 && score7<=89,9)
        {
            cout <<"Huruf\t\t: AB"<<endl;
            cout << "bobot\t\t: " <<(bobot7=3,5);
        }
         else if (score7>=70 && score7<=79,9)
        {
            cout <<"Huruf\t\t: B"<<endl;
            cout << "bobot\t\t: " <<(bobot7=3);
        }
         else if (score7>60 && score7<=69,9)
        {
            cout <<"Huruf\t\t: BC"<<endl;
            cout << "bobot\t\t: " <<(bobot7=2,5);
        }
         else if (score7>=50 && score7<=59,9)
```

```cpp
                {
                        cout <<"Huruf\t\t: C"<<endl;
                        cout << "bobot\t\t: " <<(bobot7=2);
                }
                 else if (score7>40 && score7<=49,9)
                {
                        cout <<"Huruf\t\t: CD"<<endl;
                        cout << "bobot\t\t: " <<(bobot7=1,5);
                }
                 else if (score7>30 && score7<=39,9)
                {
                   cout <<"Huruf\t\t: D"<<endl;
                   cout << "bobot\t\t: " <<(bobot7=1);
                }
                 else if (score7>20 && score7<=29,9)
                {
                        cout <<"Huruf\t\t: DE"<<endl;
                        cout << "bobot\t\t: " <<(bobot7=0,5);
                }
                else if (score7>0 && score7<=19,9)
                {
                        cout <<"Huruf\t\t: E"<<endl;
                        cout << "bobot\t\t: " <<(bobot7=0)<<endl;
                }




    ips=((bobot1*sks1)+(bobot2*sks2)+(bobot3*sks3)+(bobot4*sks4)+(bobot5*sks5)+(bobot6*sks6)+(bobo
    t7*sks7))/20;
        cout <<"Indeks Prestasi Semester: " << ips << endl;
        cout << "Nilai A = angka 4 (Istimewa)" << endl;
        cout << "Nilai AB = angka 3,5 (Sangat Baik)" << endl;
        cout << "Nilai B = angka 3 (Baik)" << endl;
        cout << "Nilai BC = angka 2,5 (Cukup Baik)" << endl;
        cout << "Nilai C = angka 2 (Cukup)" << endl;
        cout << "Nilai D = angka 1 (Kurang)" << endl;
        cout << "Nilai E = angka 0 (Sangat Kurang)" << endl;
        cout <<""<<endl;
        cout <<"Input nilai mahasiswa lainnya? (YA/TIDAK)" <<endl;
        cin >> ulang;
        }while (ulang=="YA");
        cout
    <<"=====================================================================================
    ==================" << endl;

}
```