```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
234             cout <<"Huruf\t\t: D"<<endl;
235             cout << "bobot\t\t: " <<(bobot3=1);
236         }
237          else if (score3>20 && score3<=29,9)
238         {
239             cout <<"Huruf\t\t: DE"<<endl;
240             cout << "bobot\t\t: " <<(bobot3=0,5);
241         }
242         else if (score3>0 && score3<=19,9)
243         {
244             cout <<"Huruf\t\t: E"<<endl;
245             cout << "bobot\t\t: " <<(bobot3=0);
246         }



250         cout <<""<<endl;
251         cout <<"_____" << endl;
252         cout <<"Mata Kuliah\t: ";
253         cin >> matkul4;
254         cout <<"Jumlah SKS\t: ";
255         cin >> sks4;
256         cout << "Niai Mid (35%)\t: ";
257         cin >> nMid;
258         cout << "Niai UAS (35%)\t: ";
259         cin >> nUAS;
260         cout << "Niai Tugas(30%)\t: ";
261         cin >> nTugas;
262         score4=nMid*35/100+nUAS*35/100+nTugas*30/100;
263         cout <<"Score\t\t: "<<score4<<endl;
264         if (score4>=90 && score4<=100)
265         {
266              cout <<"Huruf\t\t: A"<<endl;
267              cout << "bobot\t\t: " <<(bobot4=4);
268         }
269         else if (score4>=80 && score4<=89,9)
270         {
271             cout <<"Huruf\t\t: AB"<<endl;
272             cout << "bobot\t\t: " <<(bobot4=3,5);
273         }
274          else if (score4>=70 && score4<=79,9)
275         {
276             cout <<"Huruf\t\t: B"<<endl;
277             cout << "bobot\t\t: " <<(bobot4=3);
278         }
279          else if (score4>60 && score4<=69,9)
280         {
281             cout <<"Huruf\t\t: BC"<<endl;
282             cout << "bobot\t\t: " <<(bobot4=2,5);
283         }
284          else if (score4>=50 && score4<=59,9)
285         {
286             cout <<"Huruf\t\t: C"<<endl;
287             cout << "bobot\t\t: " <<(bobot4=2);
288         }
289          else if (score4>40 && score4<=49,9)
290         {
291             cout <<"Huruf\t\t: CD"<<endl;
292             cout << "bobot\t\t: " <<(bobot4=1,5);
293         }
294          else if (score4>30 && score4<=39,9)
295         {
296             cout <<"Huruf\t\t: D"<<endl;
297             cout << "bobot\t\t: " <<(bobot4=1);
298         }
299          else if (score4>20 && score4<=29,9)
300         {
301             cout <<"Huruf\t\t: DE"<<endl;
302             cout << "bobot\t\t: " <<(bobot4=0,5);
303         }
304         else if (score4>0 && score4<=19,9)
305         {
306             cout <<"Huruf\t\t: E"<<endl;
307             cout << "bobot\t\t: " <<(bobot4=0);
308         }



312         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
392        }
393        else if (score6>=80 && score6<=89,9)
394        {
395            cout <<"Huruf\t\t: AB"<<endl;
396            cout << "bobot\t\t: " <<(bobot6=3,5);
397        }
398         else if (score6>=70 && score6<=79,9)
399        {
400            cout <<"Huruf\t\t: B"<<endl;
401            cout << "bobot\t\t: " <<(bobot6=3);
402        }
403         else if (score6>60 && score6<=69,9)
404        {
405            cout <<"Huruf\t\t: BC"<<endl;
406            cout << "bobot\t\t: " <<(bobot6=2,5);
407        }
408         else if (score6>=50 && score6<=59,9)
409        {
410            cout <<"Huruf\t\t: C"<<endl;
411            cout << "bobot\t\t: " <<(bobot6=2);
412        }
413         else if (score6>40 && score6<=49,9)
414        {
415            cout <<"Huruf\t\t: CD"<<endl;
416            cout << "bobot\t\t: " <<(bobot6=1,5);
417        }
418         else if (score6>30 && score6<=39,9)
419        {
420            cout <<"Huruf\t\t: D"<<endl;
421            cout << "bobot\t\t: " <<(bobot6=1);
422        }
423         else if (score6>20 && score6<=29,9)
424        {
425            cout <<"Huruf\t\t: DE"<<endl;
426            cout << "bobot\t\t: " <<(bobot6=0,5);
427        }
428        else if (score6>0 && score6<=19,9)
429        {
430            cout <<"Huruf\t\t: E"<<endl;
431            cout << "bobot\t\t: " <<(bobot6=0);
432        }



435
436        cout <<""<<endl;
437        cout <<"_____" << endl;
438        cout <<"Mata Kuliah\t: ";
439        cin >> matkul7;
440        cout <<"Jumlah SKS\t: ";
441        cin >> sks7;
442        cout << "Niai Mid (35%)\t: ";
443        cin >> nMid;
444        cout << "Niai UAS (35%)\t: ";
445        cin >> nUAS;
446        cout << "Niai Tugas(30%)\t: ";
447        cin >> nTugas;
448        score7=nMid*35/100+nUAS*35/100+nTugas*30/100;
449        cout <<"Score\t\t: "<<score7<<endl;
450        if (score7>=90 && score7<=100)
451        {
452            cout <<"Huruf\t\t: A"<<endl;
453            cout << "bobot\t\t: " <<(bobot7=4)<<endl;
454        }
455        else if (score7>=80 && score7<=89,9)
456        {
457            cout <<"Huruf\t\t: AB"<<endl;
458            cout << "bobot\t\t: " <<(bobot7=3,5);
459        }
460         else if (score7>=70 && score7<=79,9)
461        {
462            cout <<"Huruf\t\t: B"<<endl;
463            cout << "bobot\t\t: " <<(bobot7=3);
464        }
465         else if (score7>60 && score7<=69,9)
466        {
467            cout <<"Huruf\t\t: BC"<<endl;
468            cout << "bobot\t\t: " <<(bobot7=2,5);
469        }
470         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)+(bobot7*sks7))/20;
        cout <<"Indeks Prestasi Semester: " << ips;
        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;

}
```