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1  #include <stdio.h>
2  #include <stdlib.h>
3  #include <windows.h>
4  #include <string.h>
5
6  int sks;
7  float mutu, sxm, ips;
8  char nilai[5], kodekm[10], namamk[10];
9  COORD coord={0, 0};
10
11 void gotoxy(int x, int y)
12 {
13     coord.X = x;
14     coord.Y = y;
15     SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), coord);
16 }
17
18 int main()
19 {
20     printf("\nKARTU HASIL STUDI\n");
21     printf("-----\n");
22     printf("  No.      Kode MK      Nama MK      SKS      NILAI      MUTU      S*M\n");
23     printf("-----\n");
24     int kory = 5;
25     int totalsks = 0;
26     float totalsxm = 0;
27     for (int no=1; no<=7; no++){
28         gotoxy(2,kory); printf("%d.", no);
29         //BAGIAN INPUT KODE MATA KULIAH
30         gotoxy(11,kory); scanf("%s", &kodemk);
31         //BAGIAN INPUT NAMA MATA KULIAH
32         gotoxy(25,kory); scanf("%s", &namamk);
33         //BAGIAN INPUT SKS DAN MENGKALKULASI TOTAL SKS
34         gotoxy(40,kory); scanf("%d", &sks);
35         totalsks += sks;
36         //BAGIAN INPUT NILAI DAN PENYESUAIAN DENGAN MUTU
37         gotoxy(51,kory); printf(""); scanf("%s", &nilai);
38         if (strcmp(nilai, "A")==0 || strcmp(nilai, "a")==0){
39             mutu = 4.0;
40         }else if (strcmp(nilai, "A-")==0 || strcmp(nilai, "a-")==0){
41             mutu = 3.7;
42         }else if (strcmp(nilai, "B+")==0 || strcmp(nilai, "b+")==0){
43             mutu = 3.3;
44         }else if (strcmp(nilai, "B")==0 || strcmp(nilai, "b")==0){
45             mutu = 3.0;
46         }else if (strcmp(nilai, "B-")==0 || strcmp(nilai, "b-")==0){
47             mutu = 2.7;
48         }else if (strcmp(nilai, "C+")==0 || strcmp(nilai, "c+")==0){
49             mutu = 2.3;
50         }else if (strcmp(nilai, "C")==0 || strcmp(nilai, "c")==0){
51             mutu = 2.0;
52         }else if (strcmp(nilai, "C-")==0 || strcmp(nilai, "c-")==0){
53             mutu = 1.7;
54         }else if (strcmp(nilai, "D")==0 || strcmp(nilai, "d")==0){
55             mutu = 1;
56         }else if (strcmp(nilai, "E")==0 || strcmp(nilai, "e")==0){
57             mutu = 0;
58         };
59         //OUTPUT MUTU
60         gotoxy(62,kory); printf("%.1f", mutu);
61         //KALKULASI SKS*MUTU
62         sxm = sks * mutu;
63         gotoxy(72,kory); printf("%.1f", sxm);
64         //SIMPAN TOTAL SxM DI VARIABEL totalsxm
65         totalsxm += sxm;
66         //KOORDINAT Y BERTAMBAH

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67     kory+=1;
68 };
69 printf("\n-----\n");
70 gotoxy(2, kory+1); printf("TOTAL");
71 gotoxy(40, kory+1); printf("%d", totalsks);
72 gotoxy(72, kory+1); printf("%.1f", totalsxm);
73 printf("\n-----\n");
74 gotoxy(2, kory+3); printf("IPS");
75 ips = totalsxm / totalsks;
76 gotoxy(60, kory+3); printf("%.1f / %d = %.2f", totalsxm, totalsks, ips);
77 printf("\n-----\n");
78
79 printf("\n");
80 printf("-----\n");
81 printf("          ANGGOTA KELOMPOK          \n");
82 printf("-----\n");
83 printf("DAVA FERDIAN HADIPUTRA      (2023071021)\n");
84 printf("DAVID FACHREZI              (2023071022)\n");
85 printf("FIKRI ARMIA FAHMI           (2023071018)\n");
86 printf("-----\n");
87 printf("\n");
88 return 0;
89 }

```