



```
1 #include <iostream> //input &output stream
2 #include <cstdlib> // C++ standerd library
3 #include <cmath> // C++ math library
4 #include <iomanip> // flotaing point formats
5 #include <cstring> // string manipulation
6
7 using namespace std;
8
9 int main (void)
10 {
11
12 float exam1,exam2,exam3,exam4;
13 float ave, ClassAve;
14 int SID,n,newAve;
15 long i;
16 char grade;
17
18
19 cout<<" ENTER NUMBER OF STUDENT : "<<endl;
20 cin >> n;
21 cout<<" ENTER THE STUDENT IDINIFICATION NUMBER (ID) : "<<endl;
22 cin >> SID;
23
24 ClassAve = 0;
25 for(i=1; i<=n; i++)
26 {
27 cout<<" ENTER 4 EXAMS SCORES FOR THE STUDET : "<<i<<endl;
28 cin >> exam1>>exam2>>exam3>>exam4;
29
30 ave = (exam1+exam2+exam3+exam4)/4;
31 /* if (ave >=90)
32 grade = 'A';
33 else if(ave >=80)
34 grade = 'B';
35 else if(ave >=70)
36 grade = 'C';
37 else if(ave >=60)
38 grade = 'D';
39 else
40 grade = 'F'; */
41
42
43
44 newAve = ave/10;
45 newAve = int(newAve);
46
47 switch(newAve)
```



1.cpp

```
53
54 case 10:
55 case 9:
56 grade = 'A';
57 break;
58
59 case 8:
60 grade = 'B';
61 break;
62
63 case 7:
64 grade = 'C';
65 break;
66
67 case 6:
68 grade = 'D';
69 break;
70
71 case 5:
72 case 4:
73 case 3:
74 case 2:
75 case 1:
76 case 0:
77 grade = 'F';
78 break;
79 }
80
81 cout<< " STUDENT INFORMATION "<<endl;
82 cout<< " STUDENT IDINTIFICATION NUMBER "<<SID<<endl;
83 cout<< " EXAM 1 = " <<exam1<<endl;
84 cout<< " EXAM 2 = " <<exam2<<endl;
85 cout<< " EXAM 3 = " <<exam3<<endl;
86 cout<< " EXAM 4 = " <<exam4<<endl;
87 cout<< " STUDENT AVERAGE = " <<ave<<endl;
88 cout<< " STUdNET GRADE = " <<grade<<endl;
89
90 ClassAve = ClassAve + ave;
91 cout<<endl;
92 }
93
94 ClassAve = ClassAve/n;
95
96 cout<<" THE AVERAGE OF THE CLASS IS " <<ClassAve<<endl;
97 return 0;
98 }
```