**/\*28. Create a structure student containing fields for roll no.,name,class,year and total marks and store them in a file. \*/**

#include<fstream>

#include<iostream>

using namespace std;

void getdata(int a);

void display(int b);

struct student

{ int rno;

char name[21];

int cls;

int year;

float marks[5];

float total;

};

student st[3];

int main()

{

ofstream fout;

fout.open("stud.dat",ios::out);

if(!fout)

{ cout<<"\nERROR!!!\n";

}

cout<<"Enter details for 3 students\n";

for(int i=0;i<3;i++)

{

cout<<"Enter the details for "<<i+1<<" student"<<" ";

cout<<endl;

getdata(i);

fout.write((char\*)&st, sizeof(student));

}

for(int i=0;i<3;i++)

{

cout<<"Details for"<<i+1<<"student"<<" ";

cout<<endl;

display(i);

}

fout.close();

system("pause");

return 0;

}

void getdata(int a)

{ cout<<"Enter rollno :";

cin>>st[a].rno;

cout<<endl;

cout<<"Enter name :";

cin>>st[a].name;

cout<<endl;

cout<<"Enter class :";

cin>>st[a].cls;

cout<<endl;

cout<<"Enter year :";

cin>>st[a].year;

cout<<endl;

cout<<"Enter marks in 5 subjects :\n";

for(int j=0;j<5;j++)

{ cin>>st[a].marks[j];

cout<<" ";

st[a].total+=st[a].marks[j];

}

cout<<"\n\n";

}

void display(int b)

{ cout<<"Rollno. :"<<st[b].rno;

cout<<endl;

cout<<"Name :"<<st[b].name;

cout<<endl;

cout<<"Class :"<<st[b].cls;

cout<<endl;

cout<<"Year :"<<st[b].year;

cout<<endl;

cout<<"marks in 5 subjects :\n";

for(int j=0;j<5;j++)

{ cout<<st[b].marks[j];

cout<<" ";

}

cout<<endl;

cout<<"Total Marks :"<<st[b].total<<"\n";

}

Output :-





