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// DataStructureStudent.cpp : Defines the entry point for the console
application.
//

#include "stdafx.h"
#include <iostream>
#include "StudentList.cpp"

int main(int argc, _TCHAR* argv[])
{
      int choice=0;
      std::string name;
      int id;
      double gpa;
      int count=0;
      StudentList* list = new StudentList();
      do{
            cout<<"*********************************"<<endl;
            cout<<"****STUDENT MANAGEMENT SYSTEM****"<<endl;
            cout<<"*********************************"<<endl;
            cout<<"1-->Press '1' to ADDSTUDENT:"<<endl;
            cout<<"2-->Press '2' to STUDENTINFO id:"<<endl;
            cout<<"3-->Press '3' to DELETESTUDENT id:"<<endl;
            cout<<"4-->Press '4' to FINDLARGEST:"<<endl;
            cout<<"5-->Press '5' to PRINTLIST:"<<endl;
            cout<<"6-->Press '6' to REVERSEPRINTLIST:"<<endl;
            cout<<"7-->Press '7' to Exit:"<<endl;
            cin>>choice;
            switch(choice)
            {
            case 1:
                  cout << "ADDSTUDENT:"<<endl;
                  cout<<"Enter Student Name: ";cin>>name;
                  cout<<"Enter Student ID: ";cin>>id;
                  cout<<"Enter Student GPA: ";cin>>gpa;
                  list->AddSTUDENT(name,id,gpa);
                  count++;
                  break;
            case 2:
                  cout << "STUDENTINFO:"<<endl;
                  cout<<"Enter Student ID: ";cin>>id;
                  list->STUDENTINFO(id);
                  break;
            case 3:
                  cout << "DELETESTUDENT:"<<endl;
                  cout<<"Enter Student ID: ";cin>>id;
                  list->DELETESTUDENT(id);
                  count--;
                  break;
            case 4:
                  cout << "FINDLARGEST:"<<endl;
                  list->FINDLARGEST();
                  break;
            case 5:
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                cout << "PRINTLIST:"<<endl;
                list->PRINTLIST();
                break;
          case 6:
                cout << "REVERSEPRINTLIST:"<<endl;
                list->REVERSEPRINTLIST(list->head,count);
                break;
          }
    }
    while(choice!=7);

    return 0;
}
```

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