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//
            File:
                                          student.h
            Student:
                                          Sean Herrick
                                          Program #08
            Assignment:
//
                                    Data Structures II
//
            Course Name:
            Course Number:
                                    COSC 3100-01
            Due:
                                          October 7th, 2022
//
//
//
            This program displays, prints, and enters in student data.
//
            Other files required:

    studentList.h

                  2.
                       HashTable.h
                  3.
                       Node.h
**
#ifndef STUDENT H
#define STUDENT H
#include "Node.h"
struct Student
      int id,
            year,
            credits;
      char name [ 50 ],
           citystate [ 50 ],
            phone [ 12 ],
            gender,
            major [ 6 ];
      float gpa;
      Student ();
      friend ostream & operator << ( ostream & out, const Student& data );</pre>
      bool operator == ( const Student & rhs ) const;
      bool operator == ( int value ) const;
      bool operator != ( const Student & rhs ) const;
      bool operator != ( int value ) const;
      bool operator < ( const Student & rhs ) const;</pre>
      bool operator < ( int value ) const;</pre>
      bool operator > ( const Student & rhs ) const;
      bool operator > ( int value ) const;
      bool operator <= ( const Student & rhs ) const;</pre>
      bool operator <= ( int value ) const;</pre>
      bool operator >= ( const Student & rhs ) const;
      bool operator >= ( int value ) const;
      int operator % ( int value ) const;
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Student & operator = ( int value );
};
Student :: Student ( )
        id = 0;
ostream & operator << ( ostream & out, const Student & data )</pre>
        out << data.id << "/";
        for ( int i = 0; i < 6; i++ )
               out << data.name [ i ];</pre>
        return out;
bool Student :: operator == ( const Student & rhs ) const
        return ( this->id == rhs.id );
bool Student :: operator == ( int value ) const
        return ( this->id == value );
bool Student :: operator != ( const Student & rhs ) const
        return ( this->id != rhs.id );
bool Student :: operator != ( int value ) const
        return ( this->id != value );
bool Student :: operator < ( const Student & rhs ) const
        return ( this->id < rhs.id );</pre>
```

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}
bool Student :: operator < ( int value ) const</pre>
        return ( this->id < value );</pre>
bool Student :: operator > ( const Student & rhs ) const
        return ( this->id > rhs.id );
bool Student :: operator > ( int value ) const
        return ( this->id > value );
bool Student :: operator <= ( const Student & rhs ) const
        return ( this->id <= rhs.id );</pre>
bool Student :: operator <= ( int value ) const</pre>
        return ( this->id <= value );</pre>
bool Student :: operator >= ( const Student & rhs ) const
        return ( this->id >= rhs.id );
bool Student :: operator >= ( int value ) const
        return ( this->id >= value );
Student & Student :: operator = ( int value )
        this->id = value;
```