```
* myDate.h
 * Created on: Sep 18, 2016
     Author: Kenny Do
#ifndef MYDATE H
#define MYDATE H
class myDate {
    * Stores the date
    int month;
    /**
    * Stores the day
    int day;
    /**
    * Stores the year
    int year;
    /**
    * Sets the default date
    void defaultDate();
public:
    * Default contructor
   myDate();
    * Constructor that takes in the month, day, and year
   myDate(int M, int D, int Y);
    * Displays the date
    void display();
    * Increment the date by N
    void incrDate(int N);
    /**
    * Decrement the date by N
    void decrDate(int N);
    /**
    * Calculates the days between D and this date
    int daysBetween (myDate D);
    /**
    * Returns the month
    int getMonth() const;
```

};

```
* Returns the day
int getDay() const;
/**
* Returns the year
int getYear() const;
/**
* Returns the days between this date and the start of the year
int getYearOffset() const;
/**
* Returns the Julian number of this date
double getJulianDate() const;
/**
* Returns a myDate object that is calculated from the julian number
static myDate returnGregorian(int julian);
/**
* Returns a day between d1 and d2
static myDate getRandomDayBetween(myDate d1, myDate d2);
* Returns the display as a cstring
const char * toString();
/**
* Overload the greater than
bool operator >(const myDate & date);
/**
* Overload the less than
bool operator <(const myDate & date);</pre>
/**
^{\star} Overload the greater than or equal to
bool operator >=(const myDate & date);
/**
* Overload the less than or equal to
bool operator <=(const myDate & date);</pre>
/**
* Overload the equals
bool operator ==(const myDate & date);
/**
 * Overload the not equals
bool operator !=(const myDate & date);
```

#endif /* MYDATE_H_ */