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Question 2.

Create a Class Date to used in the Class Managment.

Inputs for setting the rental period will be start Date, Duration and car ID, which also corresponds to the customer ID(based on our program).

This member function will make sure that the duration the client wants to rent the car does not exceed his max allotted rental time.

In the management Class there would be member functions for giving warning and overdue notices.

Management
//new variables Int duration Date startDate Date endDate

//new member functions
Void setRentalPeriod(int startDay, int startMonth, int startYear, int Duration, int carID){
//Using carID to check what type of customer they are and make sure that the duration does not exceed there max allocated rental time.}
Void checkUpcomingDates(int x)
Void anyOverdueCars(int x)

Date
//Variables Int Day Int Month Int year

//Member functions
 	
//constructors, getters and setters

-First member function:

- Go threw each car to check the upcoming time period x, that would out put true or false if this car is due back within that amount of time by checking the current date to the end date then incrementing the current date up until its incremented x times. If any of these days match then the functions outputs true, the car information and saying this car will be due in y days.

- Then using the same index at which the cars array is at in the function will also output the information of the Customer.

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Second Member function:

-To check if any of the cars are overdue will do the same thing as the first class but checking dates in the past to see if the current date surpasses an end date and if it does it outputs true and the car information.

- Then using the same index at which the cars array is at in the function will also output the information of the Customer.