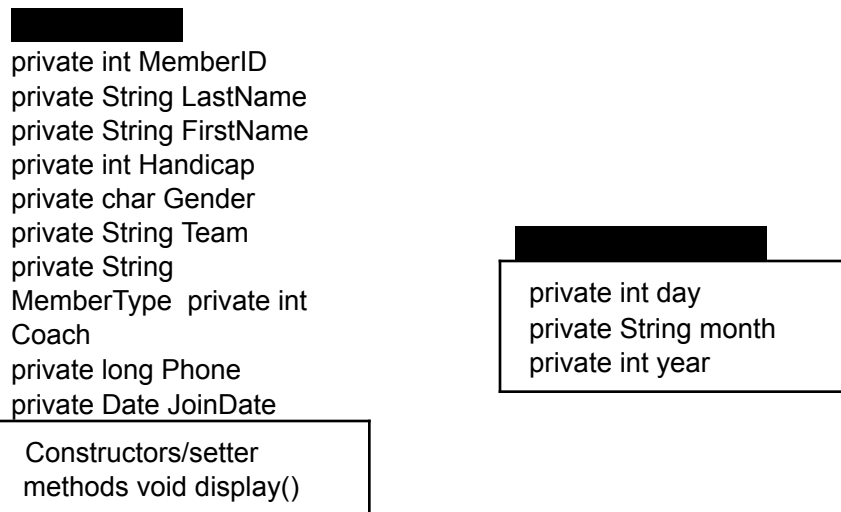


Data Structures and Algorithm (CSE 2001) Minor Project-1 (2024)

(Last Date of Submission: 15/05/2024)

***** Objective: To
create a member database and retrieve records from it.

Problem: A member of a golf club is having the following attributes and methods. Create a class to represent a member of the club. Consider appropriate constructors or setter methods to set the details and a method display() to display the details of one member.



Create an array member[] of member objects and set the details. The details of the member table may look like the following. Each row represents a member details that is one Member class object.

MemberID	LastName	FirstName	Handicap	Gender	Team	MemberType	Coach	Phone	JoinDate
118	McKenzie	Melissa	30	F		Junior	153	963270	28-May-05
138	Stone	Michael	30	M		Senior		983223	31-May-09
153	Nolan	Brenda	11	F	TeamB	Senior		442649	12-Aug-06
176	Branch	Helen		F		Social		589419	06-Dec-11
178	Beck	Sarah		F		Social		226596	24-Jan-10
228	Burton	Sandra	26	F		Junior	153	244493	09-Jul-13
235	Cooper	William	14	M	TeamB	Senior	153	722954	05-Mar-08
239	Spence	Thomas	10	M		Senior		697720	22-Jun-06
258	Olson	Barbara	16	F		Senior		370186	29-Jul-13
286	Pollard	Robert	19	M	TeamB	Junior	235	617681	13-Aug-13
290	Sexton	Thomas	26	M		Senior	235	268936	28-Jul-08
323	Wilcox	Daniel	3	M	TeamA	Senior		665393	18-May-09
331	Schmidt	Thomas	25	M		Senior	153	867492	07-Apr-09
332	Bridges	Deborah	12	F		Senior	235	279087	23-Mar-07
339	Young	Betty	21	F	TeamB	Senior		507813	17-Apr-09
414	Gilmore	Jane	5	F	TeamA	Junior	153	459558	30-May-07
415	Taylor	William	7	M	TeamA	Senior	235	137353	27-Nov-07
461	Reed	Robert	3	M	TeamA	Senior	235	994664	05-Aug-05
469	Willis	Carolyn	29	F		Junior		688378	14-Jan-11
487	Kent	Susan		F		Social		707217	07-Oct-10

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After the table of data created do the following tasks:

- Display the records where the member's JoinDate is earlier than 07-Apr-09.
- Display the records of all the senior members whose handicap score is less than 12.
- Display the records of all the female senior members who are part of TeamB.

Marks Distribution:

1. Creation of Member and Date class. [2 Marks]
2. Setting the details of array of n members. [3 Marks]
3. Display the records where the member's JoinDate is earlier than 07-Apr-09. [4 Marks]
4. Display the records of all senior members whose handicap score is less than 12. [3 Marks]
5. Display the records of all the female senior members who are part of TeamB. [3 Marks]

Note: Create the required classes in a package named same as your registration number. Prepare a description file (word file) to show the process and output of your project. Save the description file in the same package. Compress the package and submit.
