

DSA Minor Project

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INTODUCTION

This Presentation is about the Java code defines two classes, Date and Member, along with a dsaProject class that contains the main method to execute the program.

1. Date Class:

- >> This class represents a date with day, month, and year attributes.**
- >> It has a constructor to initialize these attributes and a `toString` method to return the date in a specific format.**

2. Member Class:

-->> This class represents a member with various attributes such as ID, name, gender, handicap, team, etc.

-->> It has a constructor to initialize these attributes and methods to perform operations on member objects:

- **display():** Prints the details of the member.
- **isSenior():** Checks if the member is a senior based on the handicap.
- **isFemale():** Checks if the member is female.
- **isTeamB():** Checks if the member belongs to TeamB.
- **joinedBefore(Date date):** Checks if the member joined before a given date.

3. dsaProject Class:

- >> This class contains the main method where the program execution begins.**
- >> It creates an array of Member objects with predefined data.**
- >> It then performs three operations:**
 - Prints members who joined before a specific date.**
 - Prints senior members with a handicap less than 12.**
 - Prints female senior members of TeamB.**

4. In the main method:

- >> An array of Member objects is created with predefined data.
- >> It then iterates over the array to perform specific operations:
 - It prints members who joined before 07-Apr-2009.
 - It prints senior members with a handicap less than 12.
 - It prints female senior members of TeamB.

**Thank you
very much!**