

Assignment #19

Match-Outcome

Create a class named **Outcome** with the following private member variables.

Data Type	Variable Name
String	status
String	winnerTeam

Include appropriate getters, setters and constructors.

Naming Conversion:

Getter: getStatus, getWinnerTeam

Setter: setStatus, setWinnerTeam

Include 2 argument constructor. The first argument corresponds to status and the second argument corresponds to winnerTeam.

Override the toString() method to display the match details in the format specified in the output.

String.format("%-15s %-15s", status, winnerTeam);

Create a class named Match with the following private member variables.

Data Type	Variable Name
String	date
String	teamOne
String	teamTwo
String	venue
Outcome	outcome

Include appropriate getters, setters and constructors.

Naming Conversion:

Getter: getDate, getTeamOne, etc..

Setter: setDate, setTeamOne, etc..

Include 5 argument constructor. The order in which the arguments are passed is date, teamOne, teamTwo, venue, outcome.

Override the toString() method to display the match details in the format specified in the output.

String.format("%-15s %-15s %-15s %-15s %-30s", date, teamOne, teamTwo, venue, outcome);

Create a class named **MatchBO** with the following public methods.

No	Method Name	Method Description
1	void printAllMatchDetails(Match[] MatchList)	This method is used to print the details of all matches
2	void printMatchDetailsWithOutcomeStatus(Match[] MatchList, String outcomeStatus)	In this method, display all match details of a specific status(from Outcome). If the status being searched is not

		found in the list, display the message “Status not found”. Refer sample output.
3	void printMatchDetailsWithOutcomeWinnerTeam(Match[] MatchList, String outcomeWinnerTeam)	In this method, display all match details of a specific winner team(from Outcome). If the winnerTeam being searched is not found in the list, display the message “Winner Team not found”. Refer sample output.

Create another class Main and write a main method to test the above classes.

Input and Output Format:

Refer sample input and output for formatting specifications.

Use array of objects to read Match details

All text in bold corresponds to input and the rest corresponds to output.

Sample Input and Output:

Enter number of matches

3

Enter match 1 details:

Enter match date

15/09/2015

Enter team one

RCB

Enter team two

CSK

Enter venue

Bengaluru

Enter status

Won

Enter winner Team

CSK

Enter match 2 details:

Enter match date

21/08/2015

Enter team one

MI

Enter team two

RR

Enter venue

Chennai

Enter status

Won

Enter winner Team

MI

Enter match 3 details:

Enter match date

11/09/2015

Enter team one

KKR

Enter team two

RCB

Enter venue

Kolkata

Enter status

Draw

Enter winner Team

Nil

Menu

- 1.View match details
- 2.Filter match details with outcome status
- 3.Filter match details with outcome winner team
- 4.Exit

Enter your choice

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Match Details

Date	Team1	Team2	Venue	Status	Winner
15/09/2015	RCB	CSK	Bengaluru	Won	CSK
21/08/2015	MI	RR	Chennai	Won	MI
11/09/2015	KKR	RCB	Kolkata	Draw	Nil

Menu

- 1.View match details
- 2.Filter match details with outcome status
- 3.Filter match details with outcome winner team
- 4.Exit

Enter your choice

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Enter outcome status

Draw

Match Details

Date	Team1	Team2	Venue	Status	Winner
11/09/2015	KKR	RCB	Kolkata	Draw	Nil

Menu

- 1.View match details
- 2.Filter match details with outcome status
- 3.Filter match details with outcome winner team
- 4.Exit

Enter your choice

3

Enter outcome winner team

CSK

Match Details

Date	Team1	Team2	Venue	Status	Winner
15/09/2015	RCB	CSK	Bengaluru	Won	CSK

Menu

- 1.View match details
- 2.Filter match details with outcome status
- 3.Filter match details with outcome winner team
- 4.Exit

Enter your choice

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