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   
**1**   
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   
**2**   
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   
**4**