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| **Name:** | **SRN:** | **Section:** |
| **Date:** | **Week Number:** |

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| **1** | Define a structure called cricket that will describe the following information:  player name  team name  batting average  Using cricket, declare an array player with 5 elements and write a program to read the information about all the 5 players and print a team-wise list containing names of player with their batting average.Write functions for the following:  i) Read the information of all the 5 players  ii)Sorting the players  iii)Displaying team-wise list containing names of player with their batting average  **Input:**  Enter data of 5 players  Enter PName TName BAvg for player-1 = sachin  India  98  Enter PName TName BAvg for player-2 = Rahul  India  45  Enter PName TName BAvg for player-3 = Jonty  Australia  89  Enter PName TName BAvg for player-4 = Imran  pakistan  75  Enter PName TName BAvg for player-5 = Shen  Australia  29  **Output:**  After teamwise sorting... Player list is  Jonty Australia 89.00  Shen Australia 29.00  sachin India 98.00  Rahul India 45.00  Imran pakistan 75.00 |
|  | **Program:** |
|  | **Output Screenshot:** |
| **2** | **Implement Priority Queue using an Unordered Linked list.**  Write functions for the following  1)Initialization  2)Enqueue  3)Dequeue  4)Display  **Output:**  enter ua choice  1.insert 2.delete 3.display 4 exit  1  enter the detail and priority  10  1  enter ua choice  1.insert 2.delete 3.display 4 exit  1  enter the detail and priority  20  2  enter ua choice  1.insert 2.delete 3.display 4 exit  1  enter the detail and priority  30  3  enter ua choice  1.insert 2.delete 3.display 4 exit  3  30 3  20 2  10 1  enter ua choice  1.insert 2.delete 3.display 4 exit  1  enter the detail and priority  40  0  enter ua choice  1.insert 2.delete 3.display 4 exit  3  40 0  30 3  20 2  10 1  enter ua choice  1.insert 2.delete 3.display 4 exit  2  deleted node detail is 30 with priority 3  enter ua choice  1.insert 2.delete 3.display 4 exit  2  deleted node detail is 20 with priority 2  enter ua choice  1.insert 2.delete 3.display 4 exit  2  deleted node detail is 10 with priority 1  enter ua choice  1.insert 2.delete 3.display 4 exit  2  deleted node detail is 40 with priority 0  enter ua choice  1.insert 2.delete 3.display 4 exit  2  no elements to delete  enter ua choice  1.insert 2.delete 3.display 4 exit  4 |
|  | **Program:** |
|  | **Output Screenshot:** |