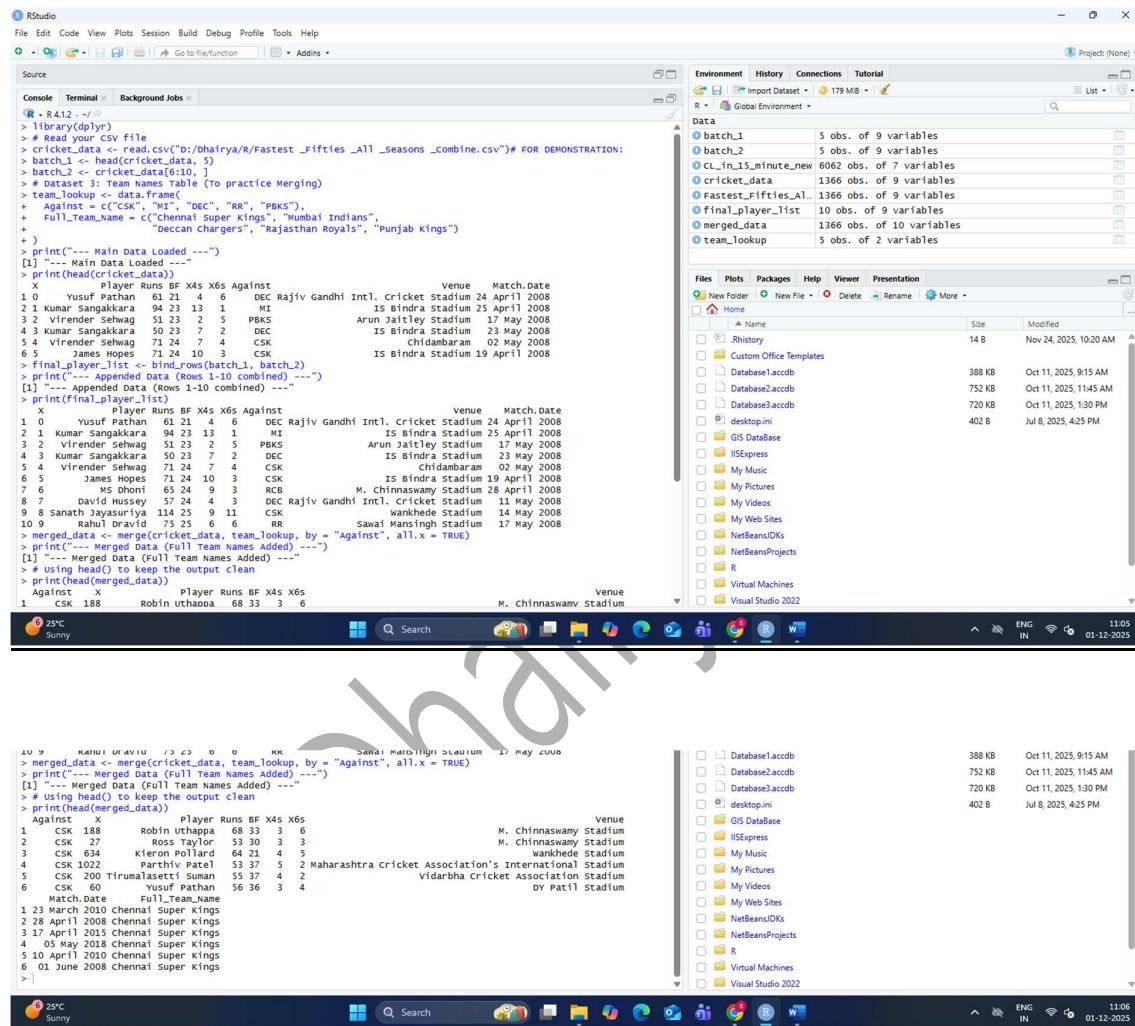


**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: Data Analysis with SAS / SPSS /R**  
**Practical No. 6**

**Aim:** Combining and appending datasets using merge () or bind rows () in R.

**Output-**



The screenshot shows the RStudio interface with the following details:

- Console:** Displays the R code used for merging datasets. The code includes reading CSV files, creating datasets for teams, and performing merges using the `bind\_rows` function.
- Environment:** Shows the resulting merged dataset named `merged\_data` with 1366 observations and 10 variables.
- File Explorer:** Shows the file structure of the project, including various database files like `Database1.accdb` through `Database3.accdb` and configuration files like `desktop.ini` and `Visual Studio 2022`.
- Taskbar:** Shows the system tray with weather information (25°C, Sunny) and system icons.

```

library(dplyr)
# Read your CSV File
cricket_data <- read.csv("D:/Dhairya/R/Fastest_Fifties_All_Seasons_Combine.csv") # FOR DEMONSTRATION:
batch1 <- head(cricket_data, 5)
batch2 <- Cricket_data[6:10, ]
# Dataset 3: Team Name Table To practice Merging
team_lookup <- data.frame(
  Against = c("CSK", "MI", "RR", "PBKS"),
  Full_Team_Name = c("Chennai Super Kings", "Mumbai Indians",
                     "Deccan Chargers", "Rajasthan Royals", "Punjab Kings")
)
# Main Data_Loaded
[1] "... Main Data_Loaded ..."
# Print(head(cricket_data))
X
# Player Runs BF X45 X6s Against Venue Match.Date
1 0 Yusuf Pathan 61 21 4 6 DEC Rajiv Gandhi Intl. Cricket Stadium 24 April 2008
2 1 Kumar Sangakkara 93 23 13 1 MI IS Bindra Stadium 25 April 2008
3 2 Virender Sehwag 51 23 2 5 PBKS Arun Jaitley Stadium 17 May 2008
4 3 Kumar Sangakkara 93 23 13 2 RR IS Bindra Stadium 22 May 2008
5 4 Virender Sehwag 71 24 7 4 CSK Chidambaram 02 May 2008
6 5 James Hopes 71 24 10 3 CSK IS Bindra Stadium 19 April 2008
> final_player_list <- bind_rows(batch1, batch2)
> print("--- Appended Data (Rows 1-10 combined) ---")
[1] "... Appended Data (Rows 1-10 combined) ---"
> print(final_player_list)
# Player Runs BF X45 X6s Against Venue Match.Date
1 0 Yusuf Pathan 61 21 4 6 DEC Rajiv Gandhi Intl. Cricket Stadium 24 April 2008
2 1 Kumar Sangakkara 93 23 13 1 MI IS Bindra Stadium 25 April 2008
3 2 Virender Sehwag 51 23 2 5 PBKS Arun Jaitley Stadium 17 May 2008
4 3 Kumar Sangakkara 93 23 13 2 RR IS Bindra Stadium 22 May 2008
5 4 Virender Sehwag 71 24 7 4 CSK Chidambaram 02 May 2008
6 5 James Hopes 71 24 10 3 CSK IS Bindra Stadium 19 April 2008
7 6 James Hopes 65 24 9 3 RCB M. Chinnaswamy Stadium 28 April 2008
8 7 Robin Uthappa 65 24 9 3 RCB M. Chinnaswamy Stadium 11 May 2008
9 8 Sanath Jayasuriya 114 25 9 11 CSK Wankhede Stadium 14 May 2008
10 9 Rahul Dravid 75 25 6 6 RR Sawai Mansingh Stadium 17 May 2008
> merged_data <- merge(cricket_data, team_lookup, by = "Against", all.x = TRUE)
> print("--- Merged Data (Full Team Names Added) ---")
[1] "... Merged Data (Full Team Names Added) ---"
# Using head() to keep the output clean
> print(head(merged_data))
Against x Player Runs BF X45 X6s Venue
1 CSK 188 Robin Uthappa 68 33 3 6 M. Chinnaswamy Stadium
2 CSK 27 Kieron Pollard 53 30 3 3 M. Chinnaswamy Stadium
3 CSK 63 Kieron Pollard 53 30 4 5 Wankhede Stadium
4 CSK 1023 Parthiv Patel 53 37 5 2 Maharashtra Cricket Association's International stadium
5 CSK 200 Tirumalasetti Suman 55 37 4 2 Vidarbha Cricket Association stadium
6 CSK 60 Yusuf Pathan 56 36 3 4 DY Patil Stadium
Match.Date x Full_Team_Name
1 23 March 2011 Chennai Super Kings
2 26 April 2011 Chennai Super Kings
3 17 April 2015 Chennai Super Kings
4 05 May 2018 Chennai Super Kings
5 10 April 2010 Chennai Super Kings
6 01 June 2008 Chennai Super Kings
>

```