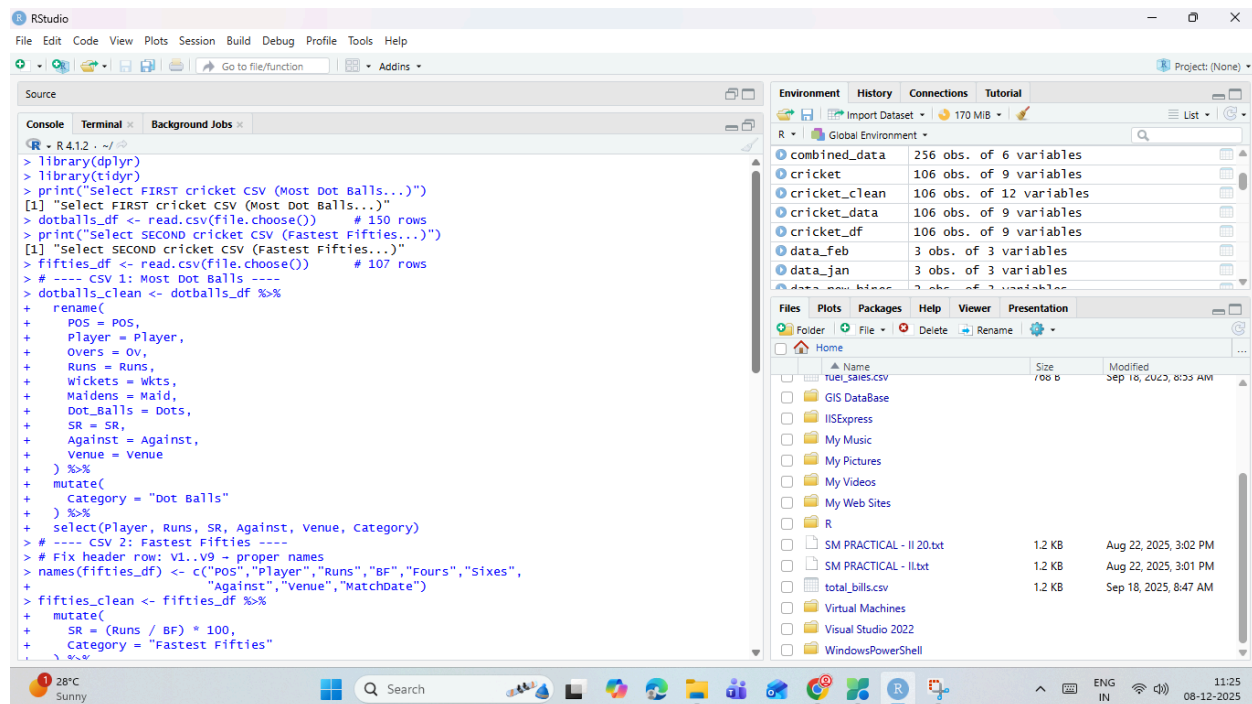


MVLU COLLEGE

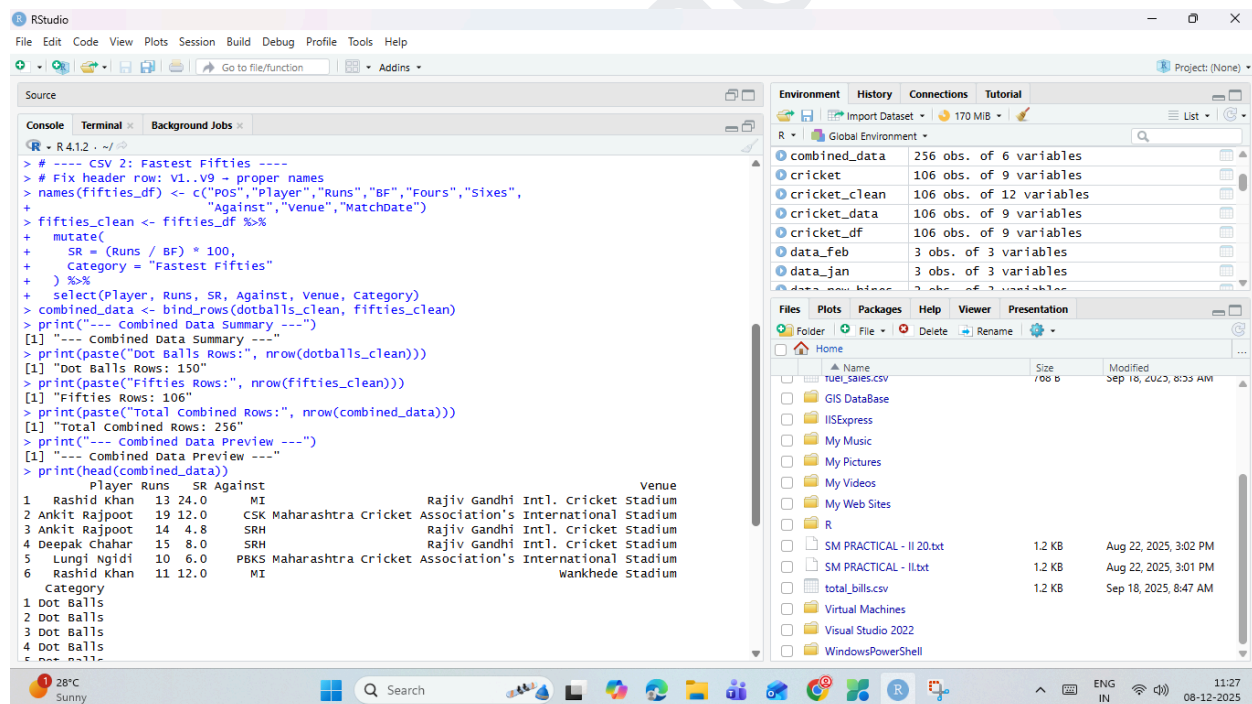
R PRACTICAL 12

Aim: Combining datasets vertically (concatenation) using rbind() (R).

Output:



```
> library(dplyr)
> library(tidyr)
> print("Select FIRST cricket CSV (Most Dot Balls...)")
[1] "Select FIRST cricket CSV (Most Dot Balls...)"
> dotballs_df <- read.csv(file.choose()) # 150 rows
> print("Select SECOND cricket CSV (Fastest Fifties...)")
[1] "Select SECOND cricket CSV (Fastest Fifties...)"
> fifties_df <- read.csv(file.choose()) # 107 rows
> # CSV 1: Most Dot Balls
> dotballs_clean <- dotballs_df %>%
+   rename(
+     POS = POS,
+     Player = Player,
+     Overs = Ov,
+     Runs = Runs,
+     wickets = Wkts,
+     Maidens = Maid,
+     Dot_Balls = Dots,
+     SR = SR,
+     Against = Against,
+     Venue = Venue
+   ) %>%
+   mutate(
+     Category = "Dot Balls"
+   ) %>%
+   select(Player, Runs, SR, Against, Venue, Category)
> ---- CSV 2: Fastest Fifties ----
> # Fix header row: V1..V9 -> proper names
> names(fifties_df) <- c("POS", "Player", "Runs", "BF", "Fours", "Sixes",
+   "Against", "Venue", "MatchDate")
> fifties_clean <- fifties_df %>%
+   mutate(
+     SR = (Runs / BF) * 100,
+     Category = "Fastest Fifties"
+   ) %>%
+   select(Player, Runs, SR, Against, Venue, Category)
```



```
> combined_data <- bind_rows(dotballs_clean, fifties_clean)
> print("---- Combined Data Summary ----")
[1] "---- Combined Data Summary ----"
> print(paste("Dot Balls Rows:", nrow(dotballs_clean)))
[1] "Dot Balls Rows: 150"
> print(paste("Fifties Rows:", nrow(fifties_clean)))
[1] "Fifties Rows: 106"
> print(paste("Total Combined Rows:", nrow(combined_data)))
[1] "Total Combined Rows: 256"
> print("---- Combined Data Preview ----")
[1] "---- Combined Data Preview ----"
> print(head(combined_data))
  Player Runs  SR Against Venue
1 Rashid Khan 13 24.0 MI Rajiv Gandhi Intl. Cricket Stadium
2 Ankit Rajpoot 19 12.0 CSK Maharashtra Cricket Association's International Stadium
3 Ankit Rajpoot 14 4.8 SRH Rajiv Gandhi Intl. Cricket Stadium
4 Deepak Chahar 15 8.0 SRH Rajiv Gandhi Intl. Cricket Stadium
5 Lungi Ngidi 10 6.0 PBKS Maharashtra Cricket Association's International Stadium
6 Rashid Khan 11 12.0 MI Wankhede Stadium
  Category
1 Dot Balls
2 Dot Balls
3 Dot Balls
4 Dot Balls
5 Dot Balls
6 Dot Balls
```

Hariprasad Vishwakarma
S126
SYCS

MVLU COLLEGE R PRACTICAL 12

The screenshot displays the RStudio environment with the following components:

- Source Editor:** Contains R code for data preview and tail inspection.
- Console:** Shows the output of the R code, including a combined data preview and tail inspection.
- Environment:** Lists the objects in the global environment, including 'combined_data', 'cricket', 'cricket_clean', 'cricket_data', 'cricket_df', 'data_feb', 'data_jan', and 'data_new_feb'.
- Files:** Shows the file explorer with various files and folders, including 'tue1_sales.csv', 'GIS DataBase', 'IISExpress', 'My Music', 'My Pictures', 'My Videos', 'My Web Sites', 'R', 'SM PRACTICAL - II 20.txt', 'SM PRACTICAL - II.txt', 'total_bills.csv', 'Virtual Machines', 'Visual Studio 2022', and 'WindowsPowerShell'.

Console Output:

```
[1] "---- Combined Data Preview ----"
> print(head(combined_data))
  Player Runs  SR Against Venue
1 Rashid Khan 13 24.0 MI Rajiv Gandhi Intl. Cricket Stadium
2 Ankit Rajpoot 19 12.0 CSK Maharashtra Cricket Association's International Stadium
3 Ankit Rajpoot 14 4.8 SRH Rajiv Gandhi Intl. Cricket Stadium
4 Deepak Chahar 15 8.0 SRH Rajiv Gandhi Intl. Cricket Stadium
5 Lungi Ngidi 10 6.0 PBKS Maharashtra Cricket Association's International Stadium
6 Rashid Khan 11 12.0 MI wankhede Stadium

Category
1 Dot Balls
2 Dot Balls
3 Dot Balls
4 Dot Balls
5 Dot Balls
6 Dot Balls

> print(tail(combined_data))
  Player Runs  SR Against Venue Category
251 Chris Lynn 62 147.6190 RCB M. chinnaswamy Stadium Fastest Fifties
252 Kane Williamson 50 116.2791 KKR Eden Gardens Fastest Fifties
253 KL Rahul 84 190.9091 RR Holkar Cricket Stadium Fastest Fifties
254 Suresh Raina 61 135.5556 PBKS Maharashtra Cricket Association's International Stadium Fastest Fifties
255 KL Rahul 95 197.9167 RR Sawai Mansingh Stadium Fastest Fifties
256 Manish Pandey 54 112.5000 PBKS Rajiv Gandhi Intl. Cricket Stadium Fastest Fifties

Not all of the characters in D:/Haris126/R/R PRACTICAL 12.R could be encoded using ISO8859-1. To save using a different encoding, choose "File | Save with Encoding..." from the main menu.
```