

SHETH L.U.J AND SIR M.V. COLLEGE

PRACTICAL NO 12

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

The screenshot shows the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help, and Addins. The main area displays R code for concatenating datasets. The code reads two datasets, standardizes them, and then uses the rbind() function to combine them. It also prints the total number of rows in the combined dataset. The right panel shows the Global Environment, a list of available datasets, and a file browser for the current project.

```
R - R 4.5.2 - ~/Desktop
> print("Columns in Dataset A:")
[1] "Columns in dataset A:" 
> print(names(health_a))
[1] "Name"      "Height_cm"
>
> print("Columns in Dataset B:")
[1] "Columns in dataset B:" 
> print(names(health_b))
[1] "StudentName" "Height"
> # Standardize dataset A
> health_a_clean <- health_a[, c("Name", "Height_cm")]
> names(health_a_clean) <- c("Student", "Height")
>
> # Standardize dataset B
> health_b_clean <- health_b[, c("StudentName", "Height")]
> names(health_b_clean) <- c("Student", "Height")
> health_a_clean$height <- as.numeric(health_a_clean$height)
> health_b_clean$height <- as.numeric(health_b_clean$height)
> combined_health <- rbind(health_a_clean, health_b_clean)
>
> print("Combined Dataset:")
[1] "Combined dataset:" 
> print(head(combined_health))
  Student Height
1   Aman    150
2   Riya    162
3 Sohail    170
4  Meera    155
5 Arjun    160
6 Fatima    158
7  Kabir    172
> print(paste("Rows in Dataset A:", nrow(health_a_clean)))
[1] "Rows in Dataset A: 4"
> print(paste("Rows in Dataset B:", nrow(health_b_clean)))
[1] "Rows in Dataset B: 3"
> print(paste("Total Rows:", nrow(combined_health)))
[1] "Total Rows: 7"
```

Environment:

- health_b_clean 3 obs. of 2 variables
- healthy_bmi 338 obs. of 5 variables
- heart 918 obs. of 12 variables
- heart_multi_sort 918 obs. of 12 variables
- heart_sorted_age 918 obs. of 12 variables
- heart_sorted_chol_de_ 918 obs. of 12 variables
- high_hr_sorted 176 obs. of 12 variables
- Iris 150 obs. of 6 variables
- iris_data 50 obs. of 6 variables
- Tong_df 10 obs. of 3 variables

Files:

Name	Size	Modified
test.py	839 B	Sep 20, 2025, 3:54 PM
test.sql	165 B	Sep 22, 2025, 12:58 PM
time series data.csv	2.6 KB	Sep 1, 2025, 12:54 PM
time.py	1.6 KB	Sep 21, 2025, 4:53 PM
tips.csv	7.8 KB	Dec 1, 2025, 11:31 AM
Titanic-Dataset.csv	59.8 KB	Dec 1, 2025, 11:31 AM
TOC qb soln.pdf	424.8 KB	Oct 11, 2025, 6:38 PM
Topaz VideoAI Projects		
train.csv	59.8 KB	Dec 1, 2025, 12:16 PM
userlog.sql	522 B	Sep 24, 2025, 8:36 PM
Viswanathan,Anand.docx	194.5 KB	Sep 23, 2025, 10:16 PM
practical 11.R	876 B	Dec 8, 2025, 10:52 AM
student_health_b.csv	50 B	Dec 8, 2025, 10:54 AM
student_health_a.csv	54 B	Dec 8, 2025, 10:54 AM
practical 12.R	936 B	Dec 8, 2025, 10:57 AM
practical 13.R	773 B	Dec 8, 2025, 10:59 AM
practical 14.R	1.3 KB	Dec 8, 2025, 11:00 AM
practical 15.R	876 B	Dec 8, 2025, 11:00 AM