

**SHETH L.U.J AND M.V COLLEGE
PRACTICAL NO .14
SUBJECT - DATA ANALYSIS**

AIM- 14. Extracting date components using lubridate:: functions (R).

INPUT -

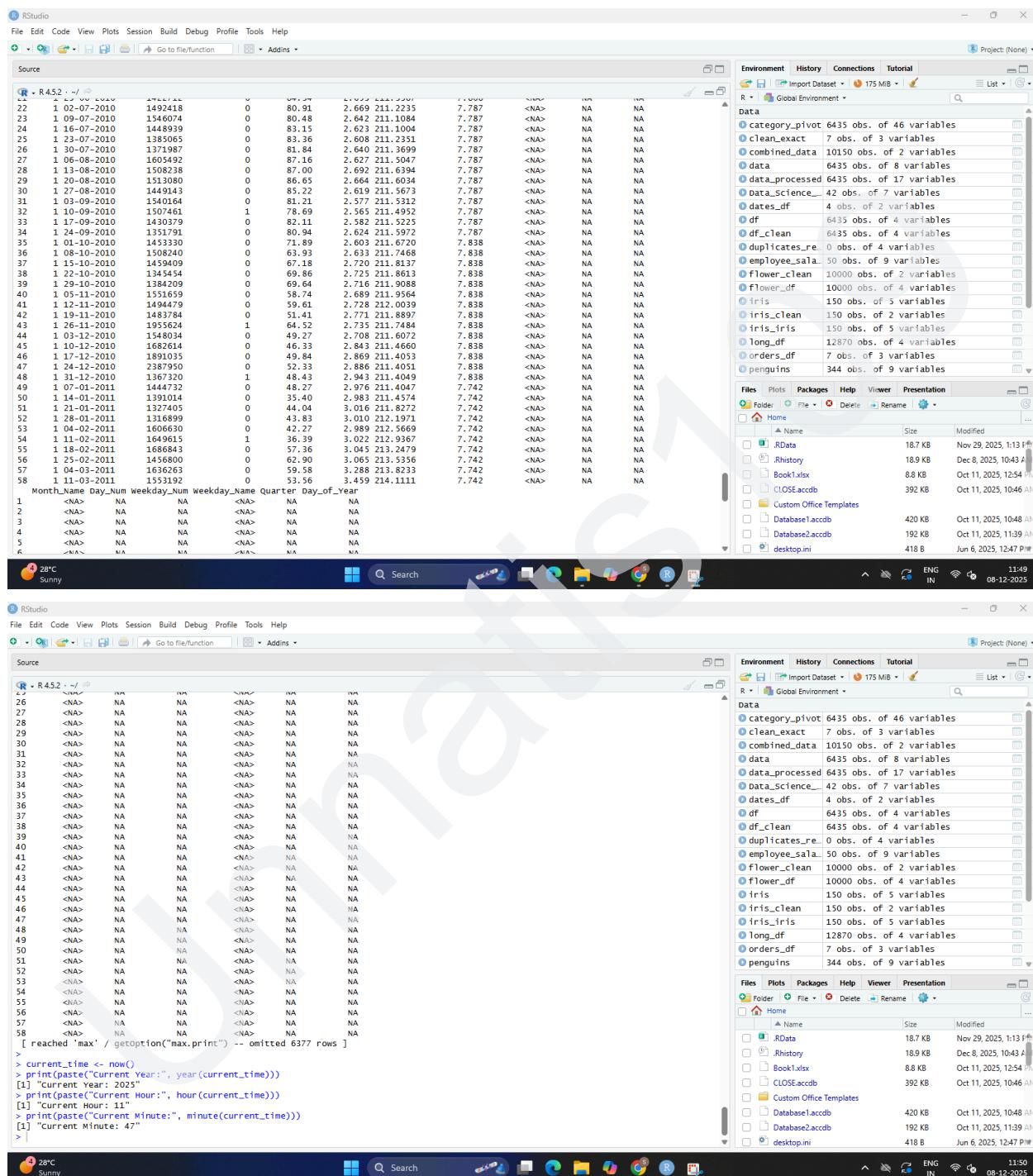
The screenshot shows the RStudio interface with the following components:

- Top Bar:** RStudio, File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Left Panel:** A script editor titled "prac13s109.R" containing R code for data processing and printing current time information.
- Right Panel:**
 - Environment:** Shows a list of global variables and their details.
 - Files:** Shows the file structure of the current project.
- Bottom Bar:** Includes a search bar, system icons (battery, signal, volume), and a status bar showing "28°C" and "08-12-2025".

OUTPUT-

Name - Unnati Rathod
Roll no - S109

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RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function Addins
Source
R - R 4.5.2 ~/ ...
22 1 02-07-2010 1492418 0 80.91 2.669 211.2235 7.787 <NA> NA NA
23 1 09-07-2010 1546074 0 80.48 2.642 211.1084 7.787 <NA> NA NA
24 1 16-07-2010 1448939 0 83.13 2.623 211.1004 7.787 <NA> NA NA
25 1 23-07-2010 1386655 0 83.83 2.583 211.0511 7.787 <NA> NA NA
26 1 30-07-2010 1371987 0 81.84 2.640 211.3699 7.787 <NA> NA NA
27 1 06-08-2010 1605492 0 87.16 2.627 211.5047 7.787 <NA> NA NA
28 1 13-08-2010 1508238 0 87.00 2.692 211.6394 7.787 <NA> NA NA
29 1 20-08-2010 1513080 0 86.65 2.664 211.6034 7.787 <NA> NA NA
30 1 27-08-2010 1449143 0 85.22 2.619 211.5673 7.787 <NA> NA NA
31 1 03-09-2010 1540164 0 81.21 2.577 211.5312 7.787 <NA> NA NA
32 1 10-09-2010 1507461 1 78.69 2.565 211.4952 7.787 <NA> NA NA
33 1 17-09-2010 1430379 0 82.11 2.582 211.5223 7.787 <NA> NA NA
34 1 24-09-2010 1371791 0 80.80 2.543 211.5172 7.787 <NA> NA NA
35 1 01-10-2010 1453230 0 71.89 2.602 211.6720 7.838 <NA> NA NA
36 1 08-10-2010 1508240 0 63.93 2.633 211.7468 7.838 <NA> NA NA
37 1 15-10-2010 1459409 0 67.18 2.720 211.8137 7.838 <NA> NA NA
38 1 22-10-2010 1345454 0 69.86 2.725 211.8613 7.838 <NA> NA NA
39 1 29-10-2010 1384209 0 69.64 2.716 211.9088 7.838 <NA> NA NA
40 1 05-11-2010 1551659 0 58.74 2.689 211.9564 7.838 <NA> NA NA
41 1 12-11-2010 1494479 0 59.61 2.728 211.0039 7.838 <NA> NA NA
42 1 19-11-2010 1483784 0 51.41 2.774 211.8879 7.838 <NA> NA NA
43 1 26-11-2010 1395764 1 64.58 2.735 211.8884 7.838 <NA> NA NA
44 1 03-12-2010 1548034 0 49.27 2.708 211.6072 7.838 <NA> NA NA
45 1 10-12-2010 1682614 0 46.33 2.843 211.4660 7.838 <NA> NA NA
46 1 17-12-2010 1891035 0 49.84 2.869 211.4053 7.838 <NA> NA NA
47 1 24-12-2010 2387950 0 52.33 2.886 211.4051 7.838 <NA> NA NA
48 1 31-12-2010 1367320 1 48.43 2.943 211.4049 7.838 <NA> NA NA
49 1 07-01-2011 1444732 0 48.27 2.976 211.4047 7.742 <NA> NA NA
50 1 14-01-2011 1391014 0 35.40 2.983 211.4574 7.742 <NA> NA NA
51 1 21-01-2011 1320605 0 44.60 3.016 211.8272 7.742 <NA> NA NA
52 1 28-01-2011 1316690 0 43.83 3.043 211.8277 7.742 <NA> NA NA
53 1 04-02-2011 1606630 0 42.27 2.989 212.5669 7.742 <NA> NA NA
54 1 11-02-2011 1649615 1 36.39 3.022 212.9367 7.742 <NA> NA NA
55 1 18-02-2011 1686843 0 57.36 3.045 213.2479 7.742 <NA> NA NA
56 1 25-02-2011 1456800 0 62.90 3.065 213.5356 7.742 <NA> NA NA
57 1 04-03-2011 1636263 0 59.58 3.288 213.8233 7.742 <NA> NA NA
58 1 11-03-2011 1553192 0 53.56 3.459 214.1111 7.742 <NA> NA NA
Month_Name Day_Weekday weekday_num weekday_Name Quarter Day_of_Year
1 <NA> NA NA <NA> NA NA
2 <NA> NA NA <NA> NA NA
3 <NA> NA NA <NA> NA NA
4 <NA> NA NA <NA> NA NA
5 <NA> NA NA <NA> NA NA
6 <NA> NA NA <NA> NA NA
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43 <NA> NA NA <NA> NA NA
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55 <NA> NA NA <NA> NA NA
56 <NA> NA NA <NA> NA NA
57 <NA> NA NA <NA> NA NA
58 <NA> NA NA <NA> NA NA
[ reached 'max' / getoption("max.print") -- omitted 6377 rows ]
>
> current_time <- now()
> print(paste("Current Year:", year(current_time)))
[1] "Current Year: 2025"
> print(paste("Current Hour:", hour(current_time)))
[1] "Current Hour: 11"
> print(paste("Current minute:", minute(current_time)))
[1] "Current Minute: 47"
>

R - R 4.5.2 ~/ ...
28C Sunny
Environment History Connections Tutorial
Import Dataset 175 MB
Global Environment
Data
category_pivot 6435 obs. of 46 variables
clean_exact 7 obs. of 3 variables
combined_data 10150 obs. of 2 variables
data 6435 obs. of 8 variables
data_processed 6435 obs. of 17 variables
data_science_ 42 obs. of 7 variables
dates_df 4 obs. of 2 variables
df 6435 obs. of 4 variables
df_clean 6435 obs. of 4 variables
duplicates_re... 0 obs. of 4 variables
employee_sala... 50 obs. of 9 variables
flower_clean 10000 obs. of 2 variables
flower_df 10000 obs. of 4 variables
iris 150 obs. of 5 variables
iris_clean 150 obs. of 2 variables
iris_iris 150 obs. of 5 variables
long_df 12870 obs. of 4 variables
orders_df 7 obs. of 3 variables
penguins 344 obs. of 9 variables
Files Plots Packages Help Viewer Presentation
RData 18.7 KB Nov 29, 2025, 1:13 PM
Rhistory 18.9 KB Dec 8, 2025, 10:43 AM
Book1.xlsx 8.8 KB Oct 11, 2025, 1:25 AM
CLOSE.accdb 392 KB Oct 11, 2025, 10:46 AM
Custom Office Templates
Database1.accdb 420 KB Oct 11, 2025, 10:48 AM
Database2.accdb 192 KB Oct 11, 2025, 11:39 AM
desktop.ini 418 B Jun 6, 2025, 12:47 PM
Home
Name Size Modified
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Rhistory 18.9 KB Dec 8, 2025, 10:43 AM
Book1.xlsx 8.8 KB Oct 11, 2025, 1:25 AM
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