

EXPT NO : 1	R STUDIO INSTALLATION
DATE: 8.1.25	

R PROGRAMMING:

R programming is a leading tool for machine learning, statistics, and data analysis, allowing for the easy creation of objects, functions, and packages.

R programming is a highly versatile and powerful language, particularly well-suited for statistical analysis, data visualization, and data science tasks.

Installation of R Studio

Step 1: Search for RStudio

Open the web browser (Google Chrome, Firefox, etc.).

Search for "**RStudio download**" in the search bar.

Step 2: Visit the Official Posit Website

Go to the **Posit website** (formerly RStudio).

Click on the official website to navigate to the RStudio download page.

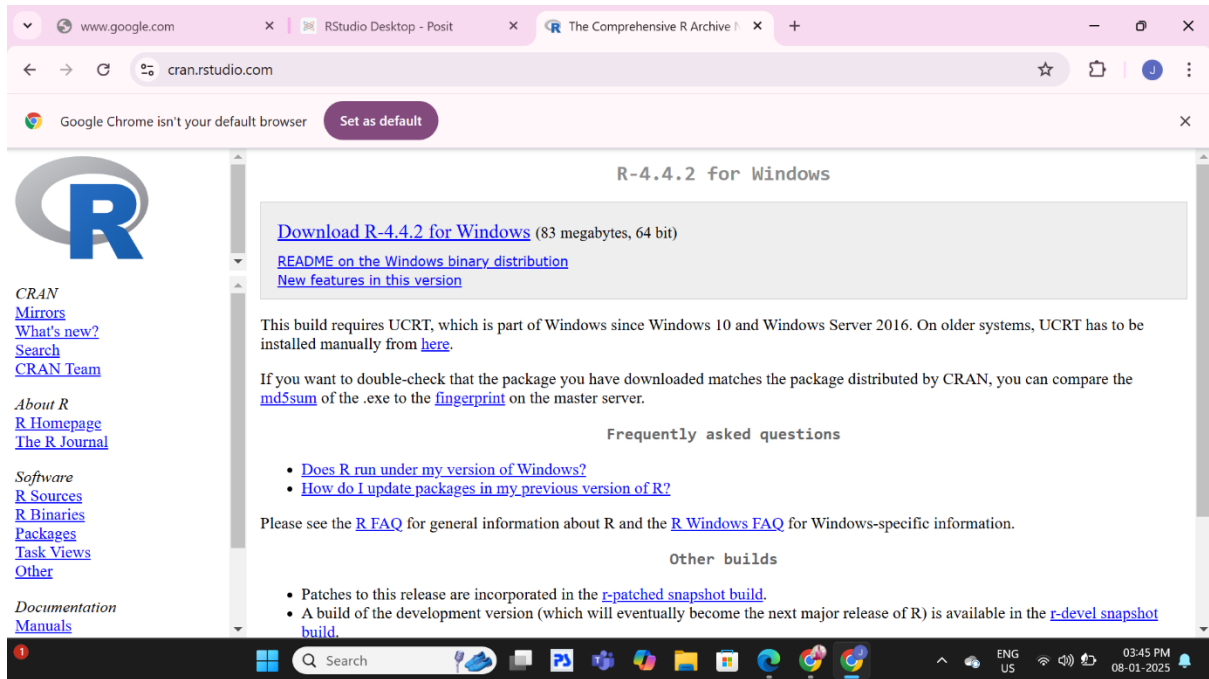
The screenshot shows the Posit website's RStudio download page. The browser tabs at the top show 'www.google.com' and 'RStudio Desktop - Posit'. The address bar displays 'posit.co/download/rstudio-desktop/'. The website header includes the Posit logo and navigation links: PRODUCTS, OPEN SOURCE, USE CASES, PARTNERS, LEARN & SUPPORT, and ABOUT. The main content area is split into two columns. The left column, titled '1: Install R', states that RStudio requires R 3.6.0+ and provides a 'DOWNLOAD AND INSTALL R' button. The right column, titled '2: Install RStudio', features a prominent blue button labeled 'DOWNLOAD RSTUDIO DESKTOP FOR WINDOWS'. Below this button, technical details are listed: 'Size: 265.27 MB | SHA-256: 5EFC188 | Version: 2024.12.0+467 | Released: 2024-12-16'. A disclaimer at the bottom of the left column reads: 'R is not a Posit product. By clicking on the link below to download and install R, you are leaving the Posit website. Posit disclaims any obligations and all liability with respect to R and the R website.'

Step 3: Download R and RStudio

On the website, click the "**Install R**" link.

Choose the operating system (Windows, macOS, or Linux).

Download the latest version of RStudio .

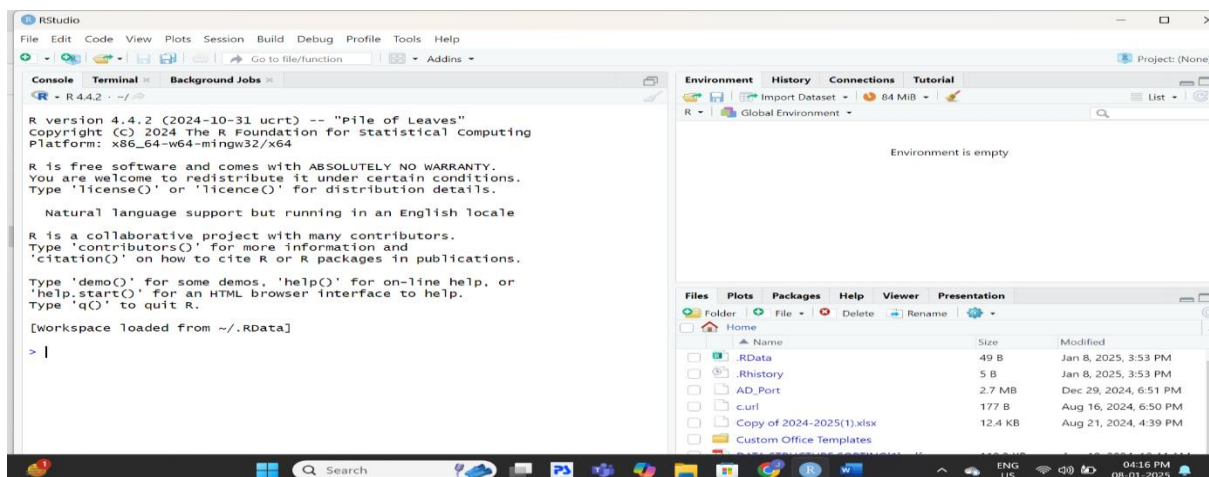


Step 4: Install RStudio

After downloading the installer, locate it in your system's **Downloads** folder.

Double-click the installer file to launch the setup wizard.

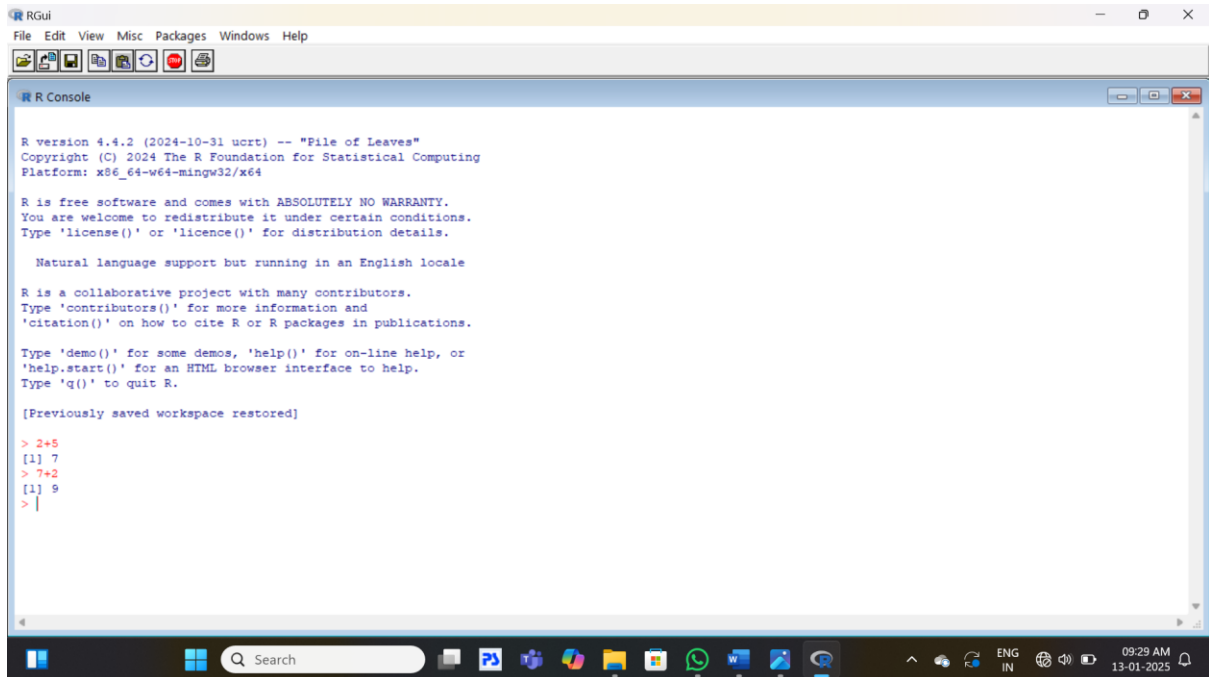
Follow the on-screen instructions to complete the installation process.



Step 5: Test RStudio

Once installed, open the RStudio software from your desktop or applications menu.

Run the command like $2+5$ to verify its working.



```
RGui
File Edit View Misc Packages Windows Help

R Console

R version 4.4.2 (2024-10-31 ucrt) -- "File of Leaves"
Copyright (C) 2024 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[Previously saved workspace restored]

> 2+5
[1] 7
> 7+2
[1] 9
> |
```

Result:

The installation of RStudio was successfully completed and verified for functionality.

