**File Handling R**

In R Programming, handling of files such as reading and writing files can be done by using in-built functions present in R base package. In this article, let us discuss reading and writing of CSV files, creating a file, renaming a file, check the existence of the file, listing all files in the working directory, copying files and creating directories.

Creating a File

Using file.create() function, a new file can be created from console or truncates if already exists. The function returns a TRUE logical value if file is created otherwise, returns FALSE.

Writing Data to a Text File:

# Define your data

data <- c("John,25,85", "Alice,30,92", "Bob,22,78")

# Define a file path

file\_path <- "C:/Users/Cyber Security/Desktop/R\_programming/sample.txt"

# Write data to a text file

cat(data, file = file\_path, sep = "\n", append = FALSE)

cat("Data written to file successfully.\n")

You define a character vector data containing lines of text.

Using cat, you write the data to a text file specified by file\_path.

Reading Data from a Text File:

# Define the file path

file\_path <- "C:/Users/Cyber Security/Desktop/R\_programming/sample.txt"

# Read the content of the text file line by line

file\_content <- readLines(file\_path)

# Print the content

cat("File Content:\n")

cat(file\_content, sep = "\n")

**Writing and Reading a Data Frame:**

# Create and write a data frame to a file

file.create("GFG.txt")

write.table(x = iris[1:10, ], file = "GFG.txt")

# Reading txt file

new.iris <- read.table(file = "GFG.txt")

# Print

print(new.iris)

**Additional Note:**

list.files() is used to list files in the current working directory.