**Week -10**

**72.Remove rows with any missing values using R**

# Create a sample data frame

df <- data.frame(

Htno = c(100, 101, 102, 103, 104),

Name = c("ramu", "rahul", "bindu", "sindu", NA),

marks = c(25, 30, 35, NA, 40),

fees = c(55000, 90000, 95000, 80000, 92000),

Date = c("2024-01-01", "2024-02-01", "2024-03-01", "2024-04-01", "2024-05-01")

df

df1 <- na.omit(df) # Removes rows with missing values

df1

**73. Read a CSV file into R.**

data <- read.csv("sample\_data.csv")

data

**74.** **Write a data frame to a CSV file.**

new\_row <- data.frame(ID = 11, Name = "ramesh", Age = 23, Score = 84)

data2 <- rbind(data, new\_row)

# Save the updated dataset to a CSV file

write.csv(data2, "updated\_data.csv", row.names = FALSE)

data2

**75. Read data from an Excel file using readxl.**

**76. Save a data frame as an RDS file**

a=saveRDS(df, "d:/data.rds") # Saves the dataframe as an RDS file

a

**77. Load an RDS file back into R**

b=df <- readRDS("data.rds")

**78.Convert a character string to a date object using R**

date\_str <- "2025-01-30" # Example date string

date\_obj <- as.Date(date\_str, format = "%Y-%m-%d")

print(date\_obj)

**Assessment-10: Grade Evaluation System** - **Write an R script to calculate the sum of the first 100 natural numbers.**

sum\_100 <- sum(1:100)

print(sum\_100) # Output: 5050