DIANA CLUSTERING

CODE:

# Read the dataset

data <- read.csv("C:/Users/sriva/OneDrive/Desktop/ObesityDataSet.csv")

# Select only the numeric columns for clustering

numeric\_data <- data[, c("Age", "Height", "Weight", "FCVC", "NCP", "CH2O", "FAF", "TUE")]

# Scale the numeric data

scaled\_data <- scale(numeric\_data)

# Perform DIANA clustering

diana\_fit <- diana(scaled\_data)

# Plot dendrogram

plot(as.hclust(diana\_fit), main = "DIANA Clustering Dendrogram")