# Sample dataset: Points scored by tennis players

tennis\_scores <- c(12, 15, 18, 22, 24, 25, 28, 30, 34, 38, 42, 50, 55, 60, 95) # 95 is an outlier

# Print Scores

print("Tennis Players' Scores:")

print(tennis\_scores)

# 📊 Create Boxplot

boxplot(tennis\_scores,

main = "Boxplot of Tennis Players' Scores",

ylab = "Scores",

col = "lightblue",

border = "black",

horizontal = FALSE, # Vertical boxplot

notch = TRUE) # Adds notch to show confidence interval

# Add grid lines

grid()

# Identify Outliers (Using IQR Method)

Q1 <- quantile(tennis\_scores, 0.25)

Q3 <- quantile(tennis\_scores, 0.75)

IQR\_value <- Q3 - Q1

# Define lower and upper bounds for outliers

lower\_bound <- Q1 - 1.5 \* IQR\_value

upper\_bound <- Q3 + 1.5 \* IQR\_value

# Find outliers

outliers <- tennis\_scores[tennis\_scores < lower\_bound | tennis\_scores > upper\_bound]

# Print Outliers

print("Outliers in the dataset:")

print(outliers)