**EXPERIMENT 25**

**HISTOGRAM**

**CODE –**

# Step 1: Load the "ToothGrowth" dataset

data("ToothGrowth")

# Step 2: Create a histogram with custom bin width

# Calculate the number of bins

bin\_width <- 150

num\_bins <- ceiling((max(ToothGrowth$len) - 100) / bin\_width)

# Calculate the bin edges

breaks <- seq(100, 100 + num\_bins \* bin\_width, by = bin\_width)

# Create the histogram and set the 'right' argument to FALSE

hist(ToothGrowth$len, breaks = breaks, xlab = "Tooth Length", ylab = "Frequency", main = "Tooth Growth Histogram", col = "skyblue", right = FALSE)

**OUTPUT –**

