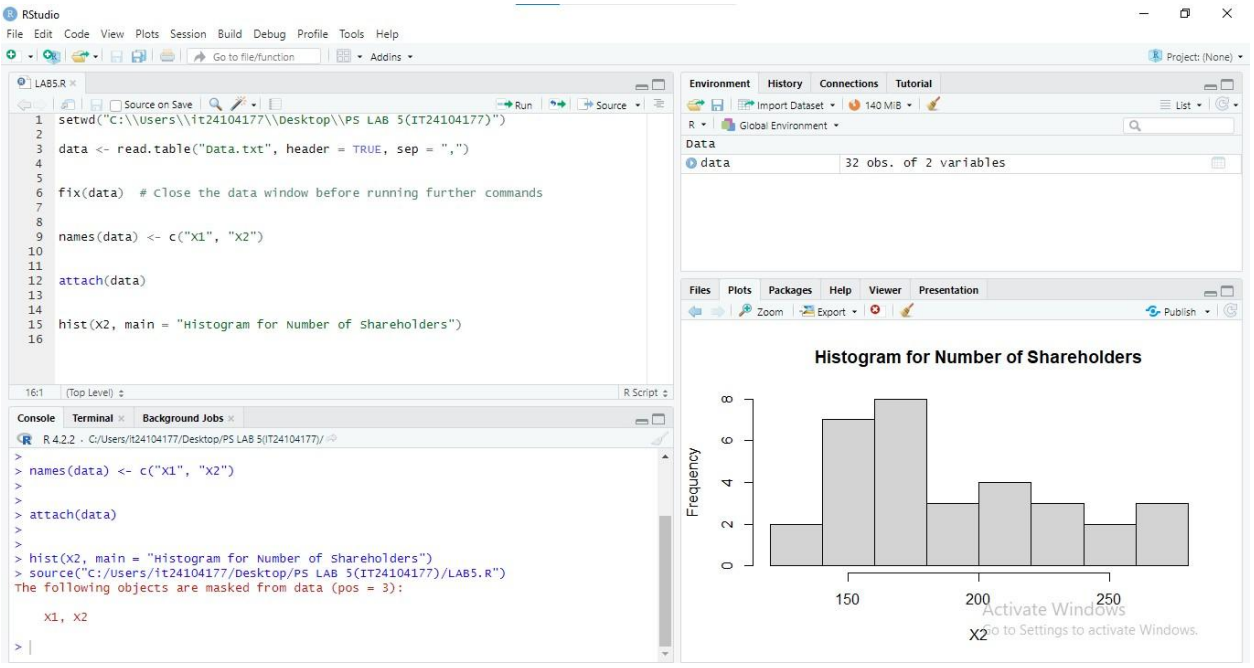
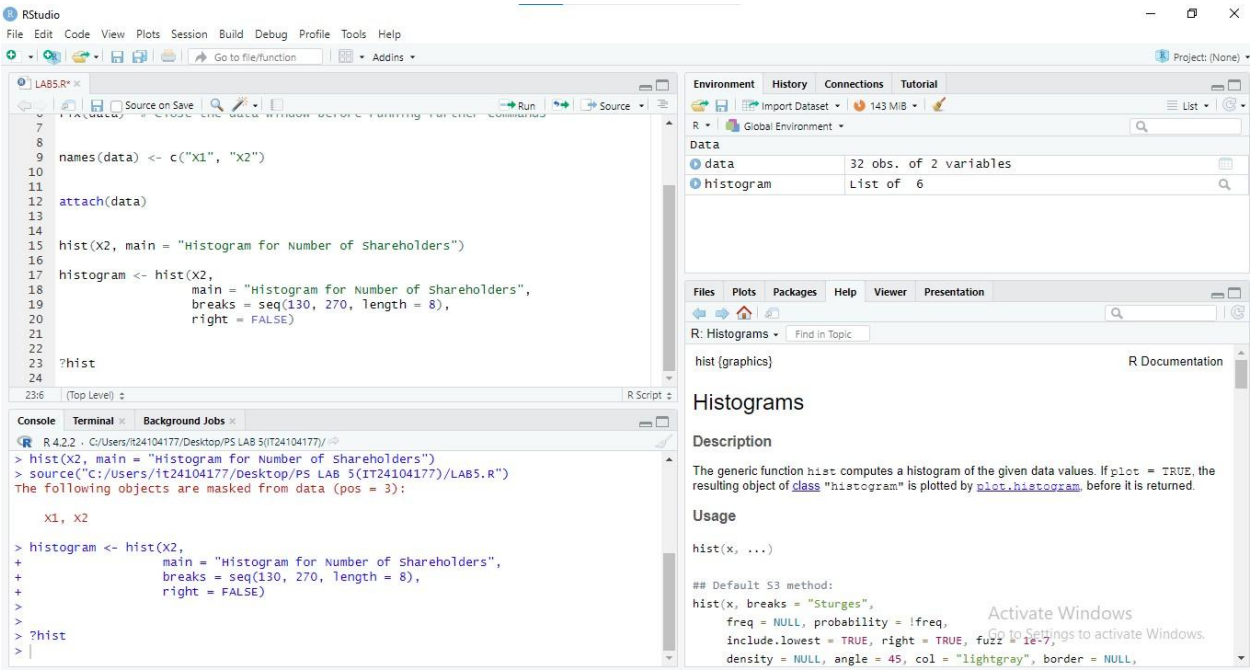
PS LAB 5 IT24104236 (Sahil A)

LAB TIME EXERSICE





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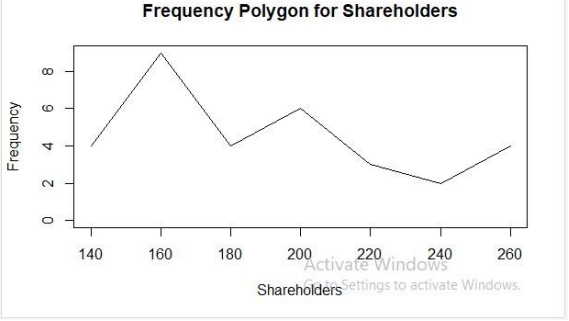
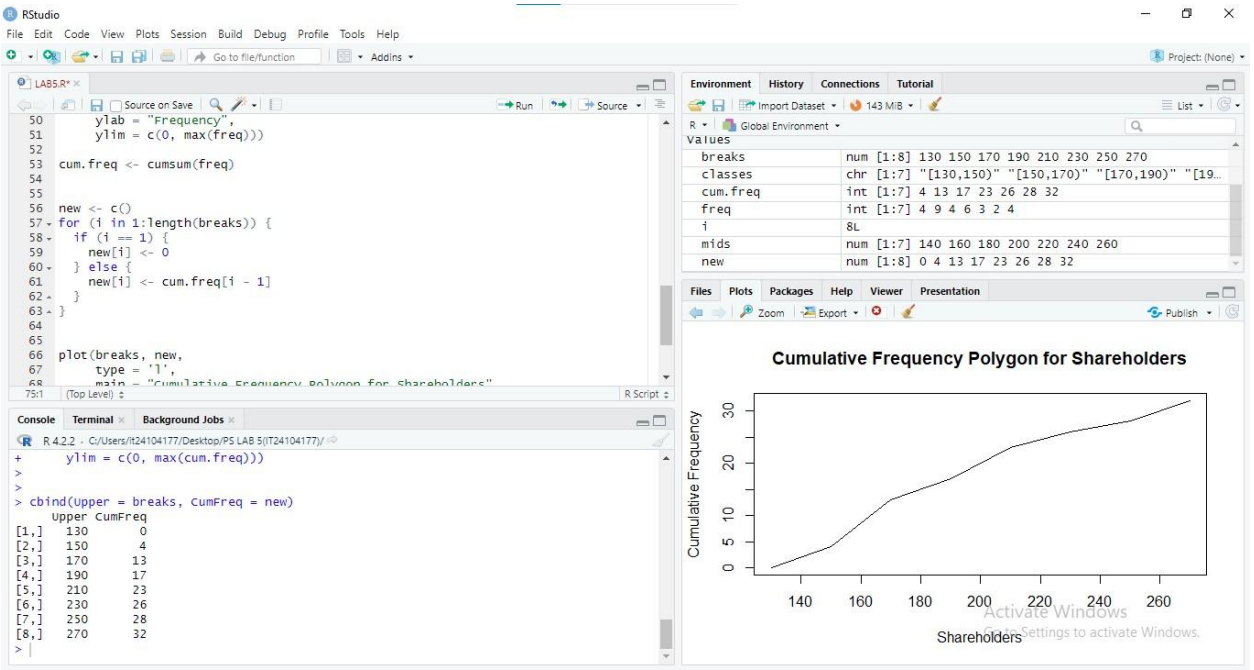
```
breaks <- round(histogram$breaks)


freq <- histogram$counts


mids <- histogram$mids


classes <- c()
for (i in 1:(length(breaks) - 1)) {
  classes[i] <- paste0("[", breaks[i], ",", breaks[i + 1], ")")
}


cbind(classes = classes, Frequency = freq)

```

```
+   classes[i] <- paste0("[", breaks[i], ",", breaks[i + 1], ")")
+ }
>
>
> cbind(classes = classes, Frequency = freq)
     classes     Frequency
[1,] "[130,150)" "4"
[2,] "[150,170)" "9"
[3,] "[170,190)" "4"
[4,] "[190,210)" "6"
[5,] "[210,230)" "3"
[6,] "[230,250)" "2"
[7,] "[250,270)" "4"
>
```

```
for (i in 1:(length(breaks) - 1)) {
  classes[i] <- paste0("[", breaks[i], ",", breaks[i + 1], ")")
}


cbind(classes = classes, Frequency = freq)


lines(mids, freq)


plot(mids, freq,
     type = 'l',
     main = "Frequency Polygon for Shareholders",
     xlab = "Shareholders",
     ylab = "Frequency",
     ylim = c(0, max(freq)))

```

```
[4,] "[190,210)" "6"
[5,] "[210,230)" "3"
[6,] "[230,250)" "2"
[7,] "[250,270)" "4"
> lines(mids, freq)
>
>
> plot(mids, freq,
+      type = 'l',
+      main = "Frequency Polygon for Shareholders",
+      xlab = "Shareholders",
+      ylab = "Frequency",
+      ylim = c(0, max(freq)))
>
```





LAB TIME EXERSICE

Q1/Q2) Import the dataset/

Draw a histogram with 9 class intervals (20– 70), right-open.

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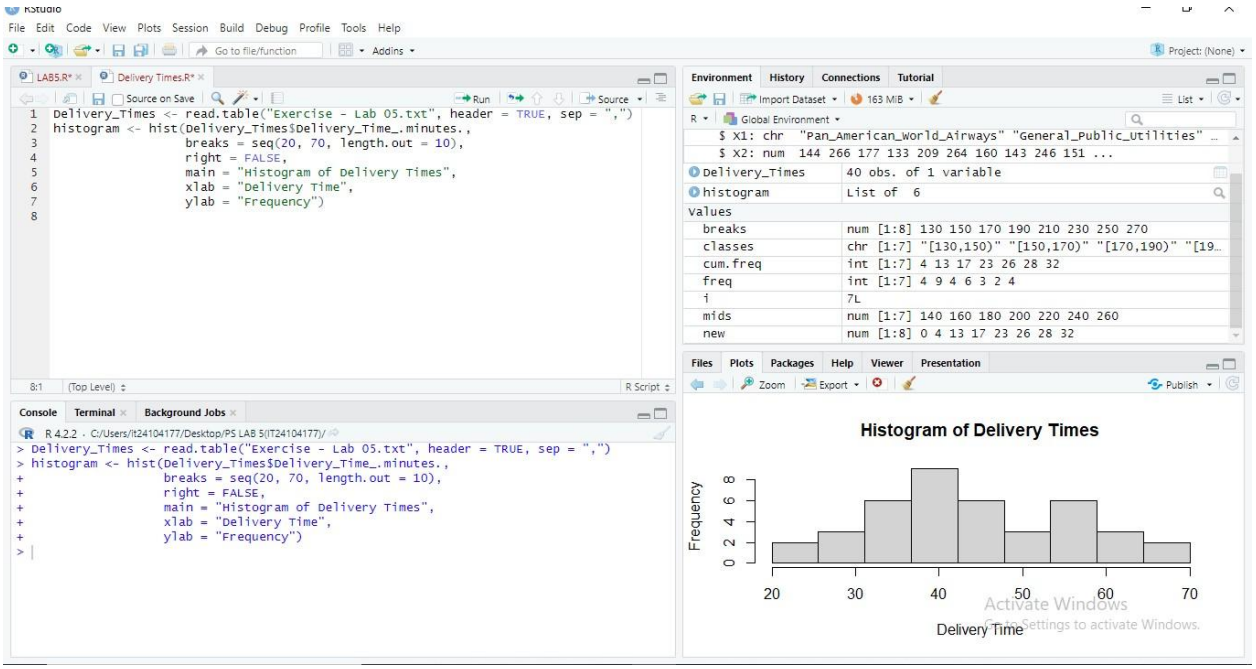

Q4) Draw a cumulative frequency polygon