Challenge-8

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```
#install.packages("shiny")
library(shiny)
```

```
#runExample("01_hello")
```

```
#runExample("02_text")
```

```
#runExample("03_reactivity")
```

```
#runExample("04_mpg")
```

```
#runExample("05_sliders")
```

```
#runExample("06_tabsets")
```

```
#runExample("07_widgets")
```

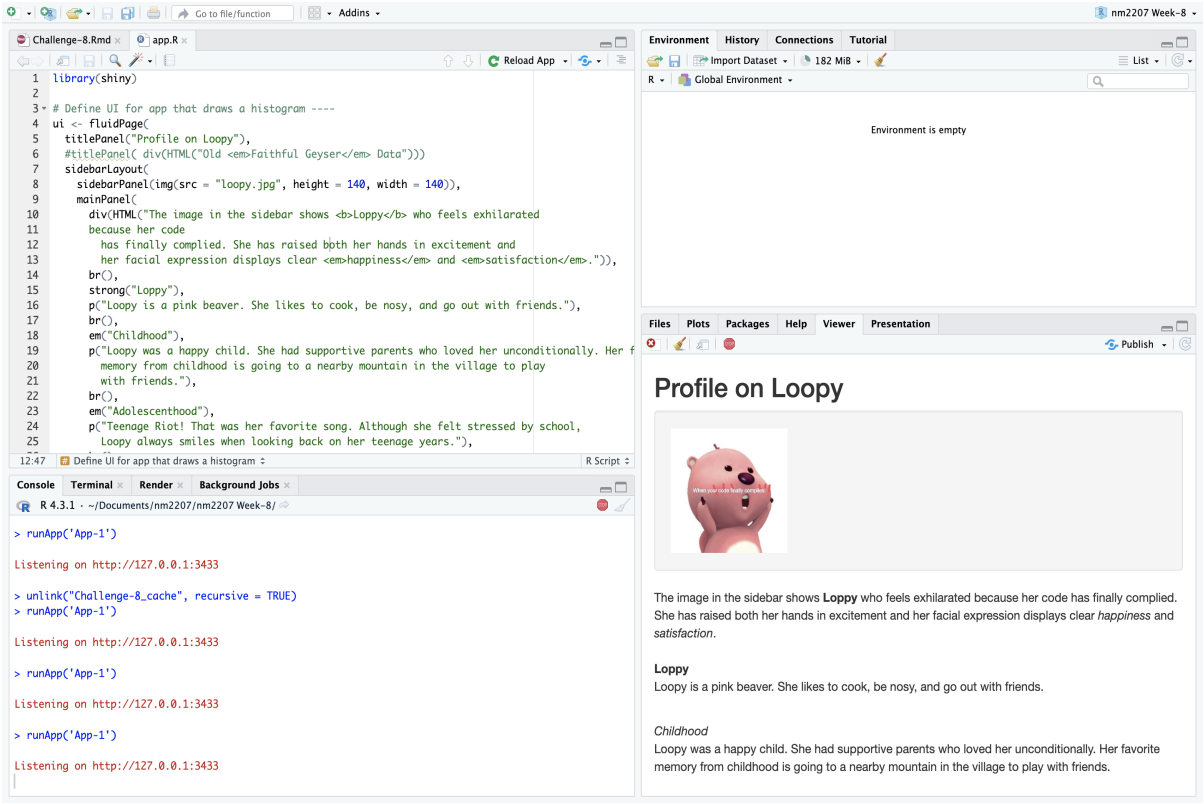
```
#runExample("08_html")
```

```
#runExample("09_upload")
```

```
#runExample("10_download")
```

```
#runExample("11_timer")
```

```
#Screenshot of final dashboard
img(src = "dashboard.png", height = 400, width = 600)
```


Challenge-8.Rmd
app.R
Reload App
1 library(shiny)
2
3 # Define UI for app that draws a histogram ----
4 ui <- fluidPage(
5 titlePanel("Profile on Loopy"),
6 #titlePanel(div(HTML("Old Faithful Geyser Data")))
7 sidebarLayout(
8 sidebarPanel(img(src = "loopy.jpg", height = 140, width = 140)),
9 mainPanel(
10 div(HTML("The image in the sidebar shows Loppy who feels exhilarated
11 because her code
12 has finally complied. She has raised both her hands in excitement and
13 her facial expression displays clear happiness and satisfaction.")),
14 br(),
15 strong("Loppy"),
16 p("Loopy is a pink beaver. She likes to cook, be nosy, and go out with friends."),
17 br(),
18 em("Childhood"),
19 p("Loopy was a happy child. She had supportive parents who loved her unconditionally. Her f
20 memory from childhood is going to a nearby mountain in the village to play
21 with friends."),
22 br(),
23 em("Adolescenthood"),
24 p("Teenage Riot! That was her favorite song. Although she felt stressed by school,
25 Loopy always smiles when looking back on her teenage years."),
12:47
Define UI for app that draws a histogram
R Script
Console
Terminal
Render
Background Jobs
R 4.3.1 · ~/Documents/nm2207/nm2207 Week-8/
> runApp('App-1')
Listening on http://127.0.0.1:3433
> unlink("Challenge-8_cache", recursive = TRUE)
> runApp('App-1')
Listening on http://127.0.0.1:3433
> runApp('App-1')
Listening on http://127.0.0.1:3433
> runApp('App-1')
Listening on http://127.0.0.1:3433
Environment
History
Connections
Tutorial
Import Dataset
182 MiB
List
R
Global Environment
Environment is empty
Files
Plots
Packages
Help
Viewer
Presentation
Publish
Profile on Loopy
When your code finally compiles
The image in the sidebar shows Loppy who feels exhilarated because her code has finally complied. She has raised both her hands in excitement and her facial expression displays clear happiness and satisfaction.
Loppy
Loopy is a pink beaver. She likes to cook, be nosy, and go out with friends.
Childhood
Loopy was a happy child. She had supportive parents who loved her unconditionally. Her favorite memory from childhood is going to a nearby mountain in the village to play with friends.

```
library(shiny)

# Define UI for app that draws a histogram ----
ui <- fluidPage(
  titlePanel("Profile on Loopy"),
  #titlePanel( div(HTML("Old <em>Faithful Geyser</em> Data")))
  sidebarLayout(
    sidebarPanel(img(src = "loopy.jpg", height = 140, width = 140)),
    mainPanel(
      div(HTML("The image in the sidebar shows <b>Loppy</b> who feels exhilarated
      because her code
        has finally complied. She has raised both her hands in excitement and
        her facial expression displays clear <em>happiness</em> and <em>satisfaction
</em>.")),
      br(),
      strong("Loppy"),
      p("Loopy is a pink beaver. She likes to cook, be nosy, and go out with friend
s."),
      br(),
      em("Childhood"),
      p("Loopy was a happy child. She had supportive parents who loved her unconditio
nally. Her favorite
        memory from childhood is going to a nearby mountain in the village to play
        with friends."),
      br(),
      em("Adolescenthood"),
      p("Teenage Riot! That was her favorite song. Although she felt stressed by scho
ol,
        Loopy always smiles when looking back on her teenage years."),
      br(),
      em("Adulthood"),
      p("Currently Loopy is struggling. She has rent due in two days, and she hasn't
        had a proper breakfast in a week. Sometimes she feels alone. At the end of th
e day,
        even though she feels terrible, she knows inside it will be okay."),
      code("Loopy is currently on her coding journey ;)"),

    )
  )
)

# Define server logic required to draw a histogram ----
server <- function(input, output) {

  # Histogram of the Old Faithful Geyser Data ----
  # with requested number of bins
  # This expression that generates a histogram is wrapped in a call
  # to renderPlot to indicate that:
  #
  # 1. It is "reactive" and therefore should be automatically
  #    re-executed when inputs (input$bins) change
  # 2. Its output type is a plot
  output$distPlot <- renderPlot({

    x    <- faithful$waiting
```

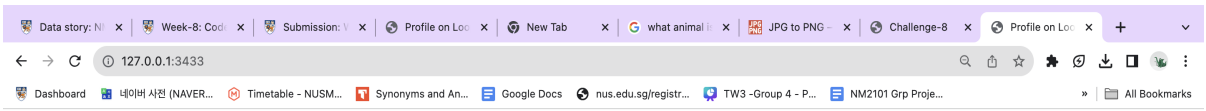
```
    bins <- seq(min(x), max(x), length.out = input$bins + 1)

    hist(x, breaks = bins, col = "#75AADB", border = "yellow",
         xlab = "Waiting time to next eruption (in mins)",
         main = "Histogram of waiting times")

  })

}

# Create Shiny app ----
#shinyApp(ui = ui, server = server, options=c(launch.browser = .rs.invokeShinyPaneViewer))


shinyApp(ui = ui, server = server)
```

Profile on Loopy

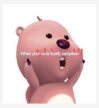
The image in the sidebar shows **Loppy** who feels exhilarated because her code has finally complied. She has raised both her hands in excitement and her facial expression displays clear *happiness* and *satisfaction*.

Loppy
Loopy is a pink beaver. She likes to cook, be nosy, and go out with friends.

```
#Screenshot of my final product (I'm putting this here because the pdf version does not show the whole thing.)
img(src = "final customization.png", height = 400, width = 600)
```



Profile on Loopy



The image in the sidebar shows **Loppy** who feels exhilarated because her code has finally complied. She has raised both her hands in excitement and her facial expression displays clear *happiness* and *satisfaction*.

Loppy
Loopy is a pink beaver. She likes to cook, be nosy, and go out with friends.

Childhood
Loopy was a happy child. She had supportive parents who loved her unconditionally. Her favorite memory from childhood is going to a nearby mountain in the village to play with friends.

Adolescenthood
Teenage Riot! That was her favorite song. Although she felt stressed by school, Loopy always smiles when looking back on her teenage years.

Adulthood
Currently Loopy is struggling. She has rent due in two days, and she hasn't had a proper breakfast in a week. Sometimes she feels alone. At the end of the day, even though she feels terrible, she knows inside it will be okay.

`Loopy is currently on her coding journey ;)`