# Code-along & Challenge Week 8

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2023-10-09

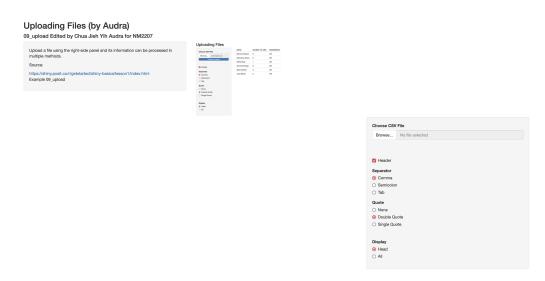## Screenshots



Figure 1: app upon launch
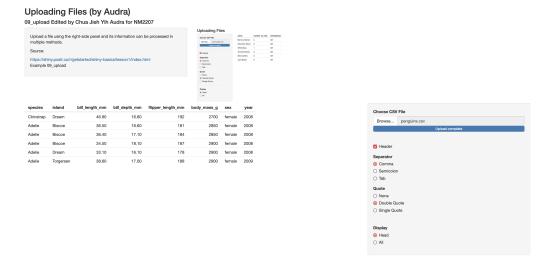


Figure 2: app after file upload

## Code

```r
library(shiny)

# Define UI for data upload app ----
ui <- fluidPage(

  # App title ----
  titlePanel("Uploading Files (by Audra)"),
  h4("09_upload Edited by Chua Jieh Yih Audra for NM2207"),

  # Sidebar layout with more info
  sidebarLayout(
    position="left",
    sidebarPanel(
      p("Upload a file using the right-side panel and its information can be processed in multiple metho
      p("Source:"),
      a("https://shiny.posit.co/r/getstarted/shiny-basics/lesson1/index.html"),
      p("Example 09_upload")
    ),
    mainPanel(img(src = "Shiny app 09 example.png", height = 260, width = 395))
  ),

  # Sidebar layout with input and output definitions ----
  sidebarLayout(

    #Edit: put it on the right
    position = "right",

    # Sidebar panel for inputs ----
    sidebarPanel(

      # Input: Select a file ----
      fileInput("file1", "Choose CSV File",
                multiple = TRUE,
                accept = c("text/csv",
                           "text/comma-separated-values,text/plain",
                           ".csv")),

      # Horizontal line ----
      tags$hr(),

      # Input: Checkbox if file has header ----
      checkboxInput("header", "Header", TRUE),

      # Input: Select separator ----
      radioButtons("sep", "Separator",
                   choices = c(Comma = ",",
                               Semicolon = ";",
                               Tab = "\t"),
                   selected = ","),

      # Input: Select quotes ----
```

```r
      radioButtons("quote", "Quote",
                   choices = c(None = "",
                               "Double Quote" = '"',
                               "Single Quote" = "'"),
                   selected = '"'),

      # Horizontal line ----
      tags$hr(),

      # Input: Select number of rows to display ----
      radioButtons("disp", "Display",
                   choices = c(Head = "head",
                               All = "all"),
                   selected = "head")

    ),

    # Main panel for displaying outputs ----
    mainPanel(

      # Output: Data file ----
      tableOutput("contents")

    )

  )
)

# Define server logic to read selected file ----
server <- function(input, output) {

  output$contents <- renderTable({

    # input$file1 will be NULL initially. After the user selects
    # and uploads a file, head of that data file by default,
    # or all rows if selected, will be shown.

    req(input$file1)

    df <- read.csv(input$file1$datapath,
                   header = input$header,
                   sep = input$sep,
                   quote = input$quote)

    if(input$disp == "head") {
      return(head(df))
    }
    else {
      return(df)
    }

  })
```

```
}

# Create Shiny app ----
shinyApp(ui, server)
```

## Edits

I edited the title to include my name '(by Audra)' I added a header of level h4 via h5("09_upload Edited by Chua Jieh Yih Audra for NM2207") to add a caption for more details on my identity I moved the position of the side bar from the left to the right I added another sidebar panel on the left providing more information on how to use my app and its source, next to which i added a labelled screenshot example of how it would look upon use.