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###Class exercise -- Implement the code below to extract query results
## from the AdventureWorks Database
library(DBI)
library(shiny)
library (shinydashboard)
header <- dashboardHeader(title = 'Orders in Adventureworks')</pre>
side <- sidebarMenu(menuItem("KPIs", tabName = "dashboard", icon = icon("calculator")))</pre>
##define two dropdown boxes
pullCurr1 <-
  selectInput('year', 'Year:', choices = c('2003', '2002', '2001'))
pullCurr2 <-
  selectInput(
     'month', 'Month', choices = c(
    'January' = '1', 'February' = '2', 'March' = '3', 'April' = '4', 'May' = '5', 'June' = '6',
    'July' = '7', 'August' = '8', 'September' = '9', 'October' = '10', 'November' = '11', 'December' = '12'))
#define sidebar with the two dropdown boxes
sidebar <-
  dashboardSidebar(sidebarMenu(side),pullCurr1, pullCurr2)
### define the values/Query results in the center of the dashboard
info1 <- valueBox('Value', h3(textOutput("sales")), color = 'red')
info2 <- valueBox('Number', h3(textOutput("orders")), color = 'yellow')</pre>
row1 <- fluidRow(info1,info2)</pre>
body <- dashboardBody(row1)</pre>
## assemble the webpage
ui_advworks1 <- dashboardPage(header, sidebar, body)
## connect to a database server and specify the input and output
wmc3317_2server <- function(input, output) {
  # make the connection
  conn <-
     dbConnect (
       RMySQL::MySQL(), "wmc3317-2.bus.sfu.ca", dbname = "adventureworks", user = "nsaraf", password =
          "XXXXX")
#extract query results into R objects
  output$sales <- renderText({</pre>
    sql <-
      paste0(
         'select count(*) from salesorderheader where YEAR(OrderDate) = ',input$year, ' AND month(OrderDate) = ', input$month)
     query <- dbGetQuery(conn,sql)[1,1]</pre>
  output$orders <- renderText({</pre>
    sql <-
      paste0(
         'select count(*) from salesorderheader where YEAR(OrderDate) = ',input$year, ' AND month(OrderDate) = ', input$month)
     query <- dbGetQuery(conn,sql)[1,1]</pre>
## create the page using the ui object which contains the FORMATTING
## and the server object which contains the CONTENT
shinyApp(ui advworks1, wmc3317 2server)
```