PHA <- as.data.frame(PHA)

ui = fluidPage(

titlePanel("Personal Health"),

sidebarLayout(

sidebarPanel(

selectizeInput("cnt",

"Select Health Condition:",

choices = c("Exercise", "Diet", "Sleep", "Smoking", "Alcohol", "Stress"), selected = "Exercise",

multiple = TRUE)),

checkboxInput("Exercise\_Benchmark", "Display Exercise Benchmark"),

checkboxInput("Diet\_Benchmark", "Display Diet Benchmark"),

checkboxInput("Sleep\_Benchmark", "Display Sleep Benchmark"),

checkboxInput("Smoking\_Benchmark", "Display Smoking Benchmark"),

checkboxInput("Alcohol\_Benchmark", "Display Alcohol Benchamrk"),

checkboxInput("Stress\_Benchmark", "Display Stress Benchmark")

),

mainPanel(

plotOutput("plot")

)

)

server = function(input, output) {

output$plot = renderPlot({

if (input$Exercise\_Benchmark) {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt]))+

geom\_hline(y = .435)

} if (input$Diet\_Benchmark) {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt]))+

geom\_hline(y = .42)

} if (input$Sleep\_Benchmark) {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt]))+

geom\_hline(y = .686)

} if (input$Smoking\_Benchmark) {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt]))+

geom\_hline(y = .221)

} if (input$Alcohol\_Benchmark) {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt]))+

geom\_hline(y = .23)

}if (input$Stress\_Benchmark) {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt]))+

geom\_hline(y = .16)

} else {

ggplot(PHA) +

geom\_line(mapping = aes(x = Year, y = PHA[, input$cnt], colour = PHA[, input$cnt])) +

labs (x = "Years", y = "Percent of Employees Healthy", title = "Personal Health Status")

}

})

}

shinyApp(ui = ui, server)