

```
# Install and load required package
```

```
install.packages("quantmod")
```

```
library(quantmod)
```

```
# Fetch stock data for Apple Inc. from Yahoo Finance
```

```
getSymbols("AAPL", src = "yahoo", from = "2022-01-01", to = Sys.Date())
```

```
# Display first few rows
```

```
head(AAPL)
```

```
# Calculate 50-day Simple Moving Average
```

```
sma50 <- SMA(CI(AAPL), n = 50)
```

```
# Calculate 200-day Simple Moving Average
```

```
sma200 <- SMA(CI(AAPL), n = 200)
```

```
# Plot the stock price chart with moving averages
```

```
chartSeries(AAPL, theme = chartTheme("white"), TA = NULL)
```

```
addSMA(n = 50, col = "blue")
```

```
addSMA(n = 200, col = "red")
```