Lab_exercise#2_octavio

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```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(rvest)
library(polite)
library(httr)
library(selectr)
library(xml2)
```

Product 1

```
  link1 <- "https://www.amazon.com/ESR-Compatible-Military-Grade-Protection-Scratch/product-reviews/B09

session <- bow(link1,
               user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  product_category <- rep("Phone Case", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]
```

```
  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)


link2 <- "https://www.amazon.com/ESR-Compatible-Military-Grade-Protection-Scratch/product-reviews/B099J

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Phone Case", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
```

```
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)


link3 <- "https://www.amazon.com/ESR-Compatible-Military-Grade-Protection-Scratch/product-reviews/B099J

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Phone Case", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
```

```
                      ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com/ESR-Compatible-Military-Grade-Protection-Scratch/product-reviews/B099J

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Phone Case", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com/ESR-Compatible-Military-Grade-Protection-Scratch/product-reviews/B099J

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
```

```
      html_text(trim = TRUE)
  }
  product_category <- rep("Phone Case", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

productrev1 <- rbind(productreviews5,productreviews1,productreviews2,productreviews3,productreviews4)
write.csv(productrev1, file = "product1.csv")
```

Product 2

```
link1 <- "https://www.amazon.com/CLUCI-Leather-Crossbody-Backpack/product-reviews/B0C5LC519H/ref=acr_dp

  session <- bow(link1,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Sling Bag", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
```

```
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)


link2 <- "https://www.amazon.com/CLUCI-Leather-Crossbody-Backpack/product-reviews/B0C5LC519H/ref=acr_dp

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Sling Bag", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]
```

```
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)


link3 <- "https://www.amazon.com/CLUCI-Leather-Crossbody-Backpack/product-reviews/B0C5LC519H/ref=acr_dp

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Sling Bag", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
```

```
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)


link4 <- "https://www.amazon.com/CLUCI-Leather-Crossbody-Backpack/product-reviews/B0C5LC519H/ref=acr_dp

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Sling Bag", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com/CLUCI-Leather-Crossbody-Backpack/product-reviews/B0C5LC519H/ref=acr_dp

  session <- bow(link5,
```

```
              user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Sling Bag", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)
 productrev2 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev2, file = "product2.csv")
```

Product 3

```
link1 <- "https://www.amazon.com.au/Katy-Perry-Killer-Queen-Parfum/product-reviews/B00ENL4HJW/ref=acr_dp

  session <- bow(link1,
              user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
```

```
  product_category <- rep("Perfume", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)

link2 <- "https://www.amazon.com.au/Katy-Perry-Killer-Queen-Parfum/product-reviews/B00ENL4HJW/ref=acr_dp

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Perfume", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]
```

```
  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Katy-Perry-Killer-Queen-Parfum/product-reviews/B00ENL4HJW/ref=acr_d

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Perfume", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")

  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
```

```
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/Katy-Perry-Killer-Queen-Parfum/product-reviews/B00ENL4HJW/ref=acr_dp

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  product_category <- rep("Perfume", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)
```

```
link5 <- "https://www.amazon.com.au/Katy-Perry-Killer-Queen-Parfum/product-reviews/B00ENL4HJW/ref=acr_dp

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Perfume", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)
 productrev3 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev3, file = "product3.csv")
```

Product 4

```
link1 <- "https://www.amazon.com.au/Anne-Klein-Gold-Tone-Stainless-AK/product-reviews/B00AJS4L3U/ref=acr

  session <- bow(link1,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
```

```
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Watch", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)

  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link2 <- "https://www.amazon.com.au/Anne-Klein-Gold-Tone-Stainless-AK/product-reviews/B00AJS4L3U/ref=ac

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Watch", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
```

```
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Anne-Klein-Gold-Tone-Stainless-AK/product-reviews/B00AJS4L3U/ref=ac

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Watch", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]
```

```
  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/Anne-Klein-Gold-Tone-Stainless-AK/product-reviews/B00AJS4L3U/ref=ac

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Watch", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
```

```
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com.au/Anne-Klein-Gold-Tone-Stainless-AK/product-reviews/B00AJS4L3U/ref=ac

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Watch", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)
 productrev4 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev4, file = "product4.csv")
```

Product 5

```
link1 <- "https://www.amazon.com.au/Wet-Wild-Eyeshadow-Shimmering/product-reviews/B09NX8R28P/ref=cm_cr_

  session <- bow(link1,
                 user_agent = "For Educational Purpose")
```

```
  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Makeup", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link2 <- "https://www.amazon.com.au/Wet-Wild-Eyeshadow-Shimmering/product-reviews/B09NX8R28P/ref=cm_cr_

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Makeup", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]
```

```
  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Wet-Wild-Eyeshadow-Shimmering/product-reviews/B09NX8R28P/ref=cm_cr_

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Makeup", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]
```

```
  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/Wet-Wild-Eyeshadow-Shimmering/product-reviews/B09NX8R28P/ref=cm_cr_a

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Makeup", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
```

```
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com.au/Wet-Wild-Eyeshadow-Shimmering/product-reviews/B09NX8R28P/ref=cm_cr_a

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Makeup", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)
 productrev5 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev5, file = "product5.csv")
```

Product 6

```
link1 <- "https://www.amazon.com.au/Shy-Velvet-Womens-Sleeves-Crossover/product-reviews/B0B1NXR6QP/ref=a

  session <- bow(link1,
                 user_agent = "For Educational Purpose")
```

```
  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Dress", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link2 <- "https://www.amazon.com.au/Shy-Velvet-Womens-Sleeves-Crossover/product-reviews/B0B1NXR6QP/ref=

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Dress", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]
```

```
  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Shy-Velvet-Womens-Sleeves-Crossover/product-reviews/B0B1NXR6QP/ref=

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Dress", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]
```

```
  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/Shy-Velvet-Womens-Sleeves-Crossover/product-reviews/B0B1NXR6QP/ref=

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Dress", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
```

```
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com.au/Shy-Velvet-Womens-Sleeves-Crossover/product-reviews/B0B1NXR6QP/ref=a

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Dress", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)
 productrev6 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev6, file = "product6.csv")
```

Product 7

```
link1 <- "https://www.amazon.com.au/Cicy-Bell-Womens-Sunflower-Graphic/product-reviews/B088TW7XXC/ref=cr

  session <- bow(link1,
                 user_agent = "For Educational Purpose")
```

```
  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("T-shirt", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link2 <- "https://www.amazon.com.au/Cicy-Bell-Womens-Sunflower-Graphic/product-reviews/B088TW7XXC/ref=cr

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("T-shirt", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]
```

```
  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Cicy-Bell-Womens-Sunflower-Graphic/product-reviews/B088TW7XXC/ref=cr

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("T-shirt", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
```

```
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/Cicy-Bell-Womens-Sunflower-Graphic/product-reviews/B088TW7XXC/ref=cr

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("T-shirt", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
```

```
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com.au/Cicy-Bell-Womens-Sunflower-Graphic/product-reviews/B088TW7XXC/ref=cr

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("T-shirt", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)
 productrev7 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev7, file = "product7.csv")
```

Product 8

```
link1 <- "https://www.amazon.com.au/SWAROVSKI-Attract-Trilogy-Pierced-Earrings/product-reviews/B07DPRW4
```

```
  session <- bow(link1,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Earrings", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link2 <- "https://www.amazon.com.au/SWAROVSKI-Attract-Trilogy-Pierced-Earrings/product-reviews/B07DPRW4

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Earrings", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
```

```
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/SWAROVSKI-Attract-Trilogy-Pierced-Earrings/product-reviews/B07DPRW4

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Earrings", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]
```

```
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/SWAROVSKI-Attract-Trilogy-Pierced-Earrings/product-reviews/B07DPRW4

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Earrings", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews4= data.frame()
  productreviews4 <- rbind(productreviews4, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
```

```
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)

link5 <- "https://www.amazon.com.au/SWAROVSKI-Attract-Trilogy-Pierced-Earrings/product-reviews/B07DPRW4

  session <- bow(link5,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Earrings", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews5= data.frame()
  productreviews5 <- rbind(productreviews5, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
 Sys.sleep(5)
 productrev8 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
 write.csv(productrev8, file = "product8.csv")
```

Product 9

```
link1 <- "https://www.amazon.com.au/LifeStraw-Stainless-Integrated-Insulated-/product-reviews/B08G1ZDNW

  session <- bow(link1,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Water Bottle", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews1= data.frame()
  productreviews1 <- rbind(productreviews1, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))


 Sys.sleep(5)


link2 <- "https://www.amazon.com.au/LifeStraw-Stainless-Integrated-Insulated/product-reviews/B08G1ZDNWP

  session <- bow(link2,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
```

```
      html_text(trim = TRUE)
  }
  product_category <- rep("Water Bottle", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews2= data.frame()
  productreviews2 <- rbind(productreviews2, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link3 <- "https://www.amazon.com.au/LifeStraw-Stainless-Integrated-Insulated/product-reviews/B08G1ZDNWP/

  session <- bow(link3,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Water Bottle", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]
```

```
  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]

  productreviews3= data.frame()
  productreviews3 <- rbind(productreviews3, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
 Sys.sleep(5)

link4 <- "https://www.amazon.com.au/LifeStraw-Stainless-Integrated-Insulated/product-reviews/B08G1ZDNWP/

  session <- bow(link4,
                 user_agent = "For Educational Purpose")

  scrapeNodes <- function(selector){
    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- rep("Water Bottle", 10)

  product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
  product_name <- rep(product_name, 10)
  product_name <- product_name[1:10]

  verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
  verified_reviews <-verified_reviews[1:10]

  product_reviewer <- scrapeNodes("span.a-profile-name")
  product_reviewer <- product_reviewer[1:10]

  product_review <- scrapeNodes("span.a-size-base.review-text")
  product_review <- product_review[1:10]

  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
  product_date <- product_date[1:10]

  product_rating <- scrapeNodes("span.a-icon-alt")
  product_rating <- product_rating[1:10]
```

```
 productreviews4= data.frame()
 productreviews4 <- rbind(productreviews4, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
Sys.sleep(5)

link5 <- "https://www.amazon.com.au/LifeStraw-Stainless-Integrated-Insulated/product-reviews/B08G1ZDNWP/

 session <- bow(link5,
              user_agent = "For Educational Purpose")

 scrapeNodes <- function(selector){
   scrape(session) %>%
     html_nodes(selector) %>%
     html_text(trim = TRUE)
 }
 product_category <- rep("Water Bottle", 10)

 product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
 product_name <- rep(product_name, 10)
 product_name <- product_name[1:10]

 verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
 verified_reviews <-verified_reviews[1:10]

 product_reviewer <- scrapeNodes("span.a-profile-name")
 product_reviewer <- product_reviewer[1:10]

 product_review <- scrapeNodes("span.a-size-base.review-text")
 product_review <- product_review[1:10]

 product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
 product_date <- product_date[1:10]

 product_rating <- scrapeNodes("span.a-icon-alt")
 product_rating <- product_rating[1:10]

 productreviews5= data.frame()
 productreviews5 <- rbind(productreviews5, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
Sys.sleep(5)
productrev9 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
```

```
 write.csv(productrev9, file = "product9.csv")
```

Product 10

```
productrev10 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Michael-Kors-Womens-Travel-Wristlet/product-reviews/B08KFK
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Wallet"
  product_name <- "Michael Kors Jet Set Travel double Zip Wristlet"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev10 <- rbind(productrev10, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
 write.csv(productrev10, file = "product10.csv")
```

Product 11

```
productrev11 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Invisible-String-Patrice-Karst/product-reviews/031648623X/
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Book"
  product_name <- "The Invisible String: 1 Paperback - Picture Book, 11 December 2018"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]
```

```
  productrev11 <- rbind(productrev11, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev11, file = "product11.csv")
```

Product 12

```
productrev12 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com/i7-12650H-GeForce-Display-Backlit-AN515-58-781P/product-revie
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Laptop"
  product_name <- "RAcer Nitro 5 Gaming Laptop | Intel 12th Gen i7-12650H | NVIDIA GeForce RTX 4060 Lap
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev12 <- rbind(productrev12, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev12, file = "product12.csv")
```

Product 13

```
productrev13 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Jergens-Moisturizer-Essential-Indulgent-Moisturization/pro
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
```

```
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Lotion"
  product_name <- "Jergens Lavender Body Butter Body and Hand Lotion, Moisturizer for Women, 7 Fl Oz (Pa
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev13 <- rbind(productrev13, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev13, file = "product13.csv")
```

Product 14

```
productrev14 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com/IBOANN-Blocking-Glasses-Fashion-Eyeglasses/product-reviews/BO
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Eyeglasses"
  product_name <- "IBOANN 3 Pack Blue Light Blocking Glasses Women/Men, Round Fashion Retro Frame, Vinta
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev14 <- rbind(productrev14, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
```

```
}
write.csv(productrev14, file = "product14.csv")
```

```
productrev15 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Champion-Womens-GT18H-Classic-T-Shirt/product-reviews/B07S
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "Champion Women's Classic Tee"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev15 <- rbind(productrev15, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev15, file = "product15.csv")
```

Product 16

```
productrev16 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Levis-Womens-Perfect-T-Shirt-Persimmon/product-reviews/B07
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "Levi's Women's The Perfect Tee"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]
```

```
  productrev16 <- rbind(productrev16, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev16, file = "product16.csv")
```

Product 17

```
productrev17 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Urban-CoCo-Womens-Versatile-Stretchy/product-reviews/B0CGQ
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Skirt"
  product_name <- "Urban CoCo Women's Basic Versatile Stretchy Flared Casual Mini Skater Skirt"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev17 <- rbind(productrev17, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev17, file = "product17.csv")
```

Product 18

```
productrev18 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/ZESICA-Bohemian-Printed-Elastic-Pockets/product-reviews/B0
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
```

```
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Skirt"
  product_name <- "ZESICA Women's 2023 Bohemian Floral Printed Elastic Waist A Line Maxi Skirt with Poc
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev18 <- rbind(productrev18, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev18, file = "product18.csv")
```

Product 19

```
productrev19 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/luvamia-Skorts-Waisted-Stretchy-Brilliant/product-reviews/
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Skirt"
  product_name <- "luvamia Skorts Skirts for Women Denim Mini Skirt Side Slit with High Waisted Jean Sh
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev19 <- rbind(productrev19, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
```

```
write.csv(productrev19, file = "product19.csv")
```

Product 20

```
productrev20 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/TONCHENGSD-Womens-Gothic-Pleated-Waisted/product-reviews/B0
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Skirt"
  product_name <- "TONCHENGSD Women's Gothic Punk Plaid Pleated High Waisted Short A-line Flare Mini Sk
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev20 <- rbind(productrev20, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev20, file = "product20.csv")
```

Product 21

```
productrev21 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/DC-Comics-Womens-Metallic-T-Shirt/product-reviews/B07KYZL4
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "DC Comics Women's Wonder Woman Metallic Logo"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]
```

```
  productrev21 <- rbind(productrev21, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev21, file = "product21.csv")
```

Product 22

```
productrev22 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/GAP-Womens-Crewneck-Favorite-T-Shirt/product-reviews/B0BGN
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "GAP Women's 2-Pack Crewneck Favorite Tee T-Shirt"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev22 <- rbind(productrev22, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev22, file = "product22.csv")
```

Product 23

```
productrev23 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/CALVIN-KLEIN-Womens-Embroidery-Bright/product-reviews/B07Z
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
```

```
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "Calvin Klein Jeans Women's CKJ CK EMBROIDERY SLIM T YAF WHT WMN TEE"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev23 <- rbind(productrev23, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev23, file = "product23.csv")
```

Product 24

```
productrev24 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Nike-Womens-Essential-Futur-T-Shirt/product-reviews/B07FKB
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "Nike Women's Tee Essential Icon Futur T-Shirt"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev24 <- rbind(productrev24, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
```

```
}
write.csv(productrev24, file = "product24.csv")
```

Product 25

```
productrev25 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Russell-Athletic-Womens-Essential-Heather/product-reviews/
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "T-shirt"
  product_name <- "Russell Athletic Womens Essential Short Sleeve T-Shirt"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev25 <- rbind(productrev25, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev25, file = "product25.csv")
```

Product 26

```
productrev26 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Skechers-Womens-Uno-Stand-Trainers-White/product-reviews/B
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shoes"
  product_name <- "Skechers Uno Stand On Air Womens"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
```

```
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev26 <- rbind(productrev26, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev26, file = "product26.csv")
```

product 27

```
productrev27 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Skechers-Womens-Street-Uno-Durabuck/product-reviews/B07WG9
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shoes"
  product_name <- "Skechers Women's Uno - Night Shades Lace-Up Sneaker"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev27 <- rbind(productrev27, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev27, file = "product27.csv")
```

//Product 28

```
productrev28 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Converse-Unisex-Chuck-Taylor-Sneakers/product-reviews/B07K
  session1 <- bow(link1, user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shoes"
  product_name <- "Converse Unisex Chuck Taylor All Star Seasonal 2019 Low Top Sneaker"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev28 <- rbind(productrev28, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev28, file = "product28.csv")
```

//Product 29

```
productrev29 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/crocs-Womens-Classic-Mule-Ballerina/product-reviews/B0CX55
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shoes"
  product_name <- "Crocs Unisex Adult Classic Clog"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev29 <- rbind(productrev29, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
```

```
  Sys.sleep(3)
}
write.csv(productrev29, file = "product29.csv")
```

//Product 30

```
productrev30 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Fila-Disruptor-Low-Shoes-White/product-reviews/B000Q6SWGC/
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shoes"
  product_name <- "Fila Men's Disruptor Low Trainers, White, 6 US"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev30 <- rbind(productrev30, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev30, file = "product30.csv")
```

//Product 31

```
productrev31 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Leggings-Depot-JYL19-BLACK-L-ActiveFlex-Slim-fit/product-r
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Pants"
  product_name <- "Leggings Depot"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
```

```
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev31 <- rbind(productrev31, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev31, file = "product31.csv")
```

//Product 32

```
productrev32 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/THUNDER-STAR-Patchwork-Stretch-Waisted/product-reviews/B08
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Pants"
  product_name <- "THUNDER STAR Women Patchwork Flare Jeans Stretch High Waisted Bell Bottom Raw Hem Den
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev32 <- rbind(productrev32, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev32, file = "product32.csv")
```

//Product 33

```
productrev33 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/VIPONES-Stretchy-Classic-Straight-146-blue/product-reviews/
  session1 <- bow(link1, user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Pants"
  product_name <- "VIPONES Bell Bottom Jeans for Women High Waisted Flare Jeans Ripped Denim Pants"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev33 <- rbind(productrev33, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev33, file = "product33.csv")
```

//Product 34

```
productrev34 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/heipeiwa-Womens-Winter-Stretch-Jeggings/product-reviews/B0
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Pants"
  product_name <- "heipeiwa Womens Winter Jeans Thick Skinny Pants Fleece Lined Slim Stretch Warm Jeggi
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev34 <- rbind(productrev34, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
```

```
  Sys.sleep(3)
}
write.csv(productrev34, file = "product34.csv")
```

//Product 35

```
productrev35 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Yehopere-Womens-Winter-Darkwashed-X-Large/product-reviews/
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Pants"
  product_name <- "Yehopere Women's Winter Fleece Lined Jeans Slim Fit Warm Skinny High Waist Denim Jea
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev35 <- rbind(productrev35, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev35, file = "product35.csv")
```

//Product 36

```
productrev36 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/HKCLUF-Crossbody-Designer-Handbags-Adjustable/product-revi
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "HKCLUF Crossbody Bags for Women Designer Leather Hobo Handbags With 2 Adjustable Leo
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
```

```
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev36 <- rbind(productrev36, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev36, file = "product36.csv")
```

//Product 37

```
productrev37 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Laptop-Lightweight-Splice-Canvas-Handbag/product-reviews/B
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Women Laptop Tote Bag for Work Lightweight Splice Canvas 15.6 Inch Handbag Purse"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev37 <- rbind(productrev37, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev37, file = "product37.csv")
```

//Product 38

```
productrev38 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/JW-PEI-Womens-Shoulder-White/product-reviews/B09QKRXSSK/re
  session1 <- bow(link1, user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "JW PEI Women's Joy Shoulder Bag"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev38 <- rbind(productrev38, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev38, file = "product38.csv")
```

//Product 39

```
productrev39 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Michael-Kors-Womens-LARGE-Crossbody/product-reviews/B0CLYY
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Michael Kors Jet Set Item Large East West"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev39 <- rbind(productrev39, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
```

```
  Sys.sleep(3)
}
write.csv(productrev39, file = "product39.csv")
```

//Product 40

```
productrev40 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Rhinestone-Evening-Sparkling-Crystal-Crossbody/product-revi
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "NOGUTU Crystal Crossbody Bags for Women Rhinestone Evening Purse for Women Rhinestone
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev40 <- rbind(productrev40, data.frame(
                        category = product_category,
                        name = product_name,
                        reviewer = product_reviewer,
                        reviews = product_review,
                        verified = verified_reviews,
                        "date of review" = product_date,
                        ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev40, file = "product40.csv")
```

//Product 41

```
productrev41 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Guess-Womens-Noelle-Shoulder-watermelon/product-reviews/B0
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Guess Women's Noelle Top Zip Shoulder Bag, One Size"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
```

```
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev41 <- rbind(productrev41, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev41, file = "product41.csv")
```

//Product 42

```
productrev42 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Triple-Small-Crossbody-Nude-Size/product-reviews/B09FFY6M7
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "FashionPuzzle Triple Zip Small Crossbody Bag"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev42 <- rbind(productrev42, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev42, file = "product42.csv")
```

//Product 43

```
productrev43 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Nautica-Lakeside-Signature-Jaquard-Crossbody/product-revie
  session1 <- bow(link1, user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Nautica Womens Lakeside Signature Jaquard North South Crossbody Bag"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev43 <- rbind(productrev43, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev43, file = "product43.csv")
```

//Product 44

```
productrev44 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Sunsa-Shoulder-Recycled-Crossbody-Sustainable/product-revi
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Sunsa Women's Canvas Shoulder Bag Recycled Jeans & Leather Vintage Crossbody Bag Gre
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev44 <- rbind(productrev44, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
```

```
  Sys.sleep(3)
}
write.csv(productrev44, file = "product44.csv")
```

//Product 45

```
productrev45 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Soperwillton-Handbag-Women-Shoulder-Satchel/product-reviews
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Soperwillton Handbag for Women Tote Bag Shoulder Bags Satchel 4pcs Purse Set"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev45 <- rbind(productrev45, data.frame(
                       category = product_category,
                       name = product_name,
                       reviewer = product_reviewer,
                       reviews = product_review,
                       verified = verified_reviews,
                       "date of review" = product_date,
                       ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev45, file = "product45.csv")
```

//Product 47

```
productrev46 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Fashion-Synthetic-Leather-Handbags-Shoulder/product-reviews
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Women Fashion Synthetic Leather Handbags Tote Bag Shoulder Bag Top Handle Satchel Pu
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
```

```
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev46 <- rbind(productrev46, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev46, file = "product46.csv")
```

//Product 47

```
productrev47 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/NCDUANSAN-Capacity-Embroidery-Exquisite-Thickness/product-
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "NCDUANSAN Large Capacity Handbag Linen Cotton Flower Embroidery Retro Exquisite Doodl
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev47 <- rbind(productrev47, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev47, file = "product47.csv")
```

//Product 48

```
productrev48 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/ALARION-Handbags-Shoulder-Designer-Messenger/product-revie
  session1 <- bow(link1, user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "ALARION Womens Purses and Handbags Shoulder Bag Ladies Designer Satchel Messenger To
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev48 <- rbind(productrev48, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev48, file = "product48.csv")
```

//Product 49

```
productrev49 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Kipling-Womens-SHOULDERBAGS-18-5x34x21-LxWxH/product-revie
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Bags"
  product_name <- "Kipling Women's Art Mini Pockets with Carry Handle, One Size"
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev49 <- rbind(productrev49, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
```

```
  Sys.sleep(3)
}
write.csv(productrev49, file = "product49.csv")
```

//Product 50

```
productrev50 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Redragon-K617-Keyboard-Mechanical-Supported/product-reviews
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Electronics"
  product_name <- "Redragon K617 Fizz 60% Wired RGB Gaming Keyboard, 61 Keys Hot-Swap Compact Mechanical
  verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")[1:10]
  product_reviewer <- scrapeNodes("span.a-profile-name")[1:10]
  product_review <- scrapeNodes("span.a-size-base.review-text.review-text-content")[1:10]
  product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")[1:10]
  product_rating <- scrapeNodes("span.a-icon-alt")[1:10]

  productrev50 <- rbind(productrev50, data.frame(
                      category = product_category,
                      name = product_name,
                      reviewer = product_reviewer,
                      reviews = product_review,
                      verified = verified_reviews,
                      "date of review" = product_date,
                      ratings = product_rating))
  Sys.sleep(3)
}
write.csv(productrev50, file = "product50.csv")
```