

CS 102 IT2C Fermano Lab 2

Fermano, Aaron John

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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)
```

```
link1 <- "https://www.amazon.com.au/Scrub-Daddy-Original-Yellow-Household/dp/B00J420JEC/ref=zg_bs_c_h  
session <- bow(link1,  
               user_agent = "For Educational Purpose")
```

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

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

```
product_name <- scrapeNodes("span.a-size-large.product-title-word-break")  
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]
```

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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/Scrub-Daddy-Original-Yellow-Household/product-reviews/B00J420JEC/re

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

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

```

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        reviews = product_review,
        verified = verified_reviews,
        "date of review" = product_date,
        ratings = product_rating))

Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Scrub-Daddy-Original-Yellow-Household/product-reviews/B00J420JEC/re

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Sponge", 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/Scrub-Daddy-Original-Yellow-Household/product-reviews/B00J420JEC/re

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

```

```

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Sponge", 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.au/Scrub-Daddy-Original-Yellow-Household/product-reviews/B00J420JEC/re

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

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

link1 <- "https://www.amazon.com.au/Pack-Light-DAddario-Phosphor-Acoustic/product-reviews/B000EEJ8CS/re

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

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

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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/Pack-Light-DAddario-Phosphor-Acoustic/product-reviews/B000EEJ8CS/re

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

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

```

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        verified = verified_reviews,
        "date of review" = product_date,
        ratings = product_rating))

Sys.sleep(5)

link3 <- "https://www.amazon.com.au/Carhartt-K87-Workwear-Short-Sleeve-T-Shirt/product-reviews/B07B12XV"

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/Pack-Light-DAddario-Phosphor-Acoustic/product-reviews/B000EEJ8CS/re"

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

scrapeNodes <- function(selector){

```

```

    scrape(session) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
product_category <- rep("String", 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/Pack-Light-DAddario-Phosphor-Acoustic/product-reviews/B000EEJ8CS/re

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

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

link1 <- "https://www.amazon.com.au/Dove-Body-Wash-Triple-Moisturising/product-reviews/B07LGGSSH5/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("Moisturizer", 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/Dove-Body-Wash-Triple-Moisturising/product-reviews/B07LGGSSH5/ref=cm

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Moisturizer", 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/Dove-Body-Wash-Triple-Moisturising/product-reviews/B07LGGSSH5/ref=c

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Moisturizer", 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/Dove-Body-Wash-Triple-Moisturising/product-reviews/B07LGGSSH5/ref=c

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

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

```

```

    html_text(trim = TRUE)
  }

product_category <- rep("Moisturizer", 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/Dove-Body-Wash-Triple-Moisturising/product-reviews/B07LGGSSH5/ref=cm

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

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

product_category <- rep("Moisturizer", 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")

link1 <- "https://www.amazon.com.au/Nautica-Comfort-Cotton-Underwear-Briefs/product-reviews/B077M38D2P/"

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

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

product_category <- rep("Underwear", 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/Nautica-Comfort-Cotton-Underwear-Briefs/product-reviews/B077M38D2P/"

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Underwear", 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/Nautica-Comfort-Cotton-Underwear-Briefs/product-reviews/B077M38D2P/"

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Underwear", 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/Nautica-Comfort-Cotton-Underwear-Briefs/product-reviews/B077M38D2P/"

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

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

```

```

    html_text(trim = TRUE)
  }
product_category <- rep("Underwear", 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/Nautica-Comfort-Cotton-Underwear-Briefs/product-reviews/B077M38D2P/"

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

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

link1 <- "https://www.amazon.com.au/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=

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/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=c

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/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=c

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/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=c

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/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=cm

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)
productrev5 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
write.csv(productrev5, file = "product5.csv")

link1 <- "https://www.amazon.com.au/Hanes-Mens-Short-Sleeve-Beefy-T/product-reviews/B07DM9HM8X/ref=cm_c

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Shorts", 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/Hanes-Mens-Short-Sleeve-Beefy-T/product-reviews/B07DM9HM8X/ref=cm_c

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Shorts", 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/Hanes-Mens-Short-Sleeve-Beefy-T/product-reviews/B07DM9HM8X/ref=cm_c

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Shorts", 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/Hanes-Mens-Short-Sleeve-Beefy-T/product-reviews/B07DM9HM8X/ref=cm_c

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Shorts", 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/Hanes-Mens-Short-Sleeve-Beefy-T/product-reviews/B07DM9HM8X/ref=cm_c

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

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

link1 <- "https://www.amazon.com.au/Lucky-Brand-Venice-Burnout-Notch/product-reviews/B07994LRX3/ref=cm_

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/Lucky-Brand-Venice-Burnout-Notch/product-reviews/B07994LRX3/ref=cm_

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/Lucky-Brand-Venice-Burnout-Notch/product-reviews/B07994LRX3/ref=cm_

```

```

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/Lucky-Brand-Venice-Burnout-Notch/product-reviews/B07994LRX3/ref=cm_

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/Lucky-Brand-Venice-Burnout-Notch/product-reviews/B07994LRX3/ref=cm_

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")

link1 <- "https://www.amazon.com.au/Gildan-Mens-Crew-T-Shirts-Multipack/product-reviews/B0931FY84J/ref=

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/Gildan-Mens-Crew-T-Shirts-Multipack/product-reviews/B0931FY84J/ref=

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/Gildan-Mens-Crew-T-Shirts-Multipack/product-reviews/B0931FY84J/ref=

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/Gildan-Mens-Crew-T-Shirts-Multipack/product-reviews/B0931FY84J/ref=

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/Gildan-Mens-Crew-T-Shirts-Multipack/product-reviews/B0931FY84J/ref=

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)
productrev8 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)
write.csv(productrev8, file = "product8.csv")

link1 <- "https://www.amazon.com.au/Decor-Microsafe-Container-Capacity-Assorted/product-reviews/B07P8QY..."

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

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

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        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/Decor-Microsafe-Container-Capacity-Assorted/product-reviews/B07P8QY

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Container", 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/Decor-Microsafe-Container-Capacity-Assorted/product-reviews/B07P8QY

```

```

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Container", 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/Decor-Microsafe-Container-Capacity-Assorted/product-reviews/B07P8QY"

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

scrapeNodes <- function(selector){
  scrape(session) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- rep("Container", 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/Decor-Microsafe-Container-Capacity-Assorted/product-reviews/B07P8QY

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

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

productrev10 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Corsair-4000X-Tempered-Mid-Tower-CC-9011204-WW/product-rev")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Electronics"
  product_name <- "CORSAIR iCUE 4000X RGB Tempered Glass Mid-Tower ATX PC Case - 3x SP120 RGB ELITE Fan"
  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")

productrev11 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Upgraded-Moisture-Nutrients-Gardening-Batteries/product-rev")
  session1 <- bow(link1, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session1) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- "Gardening"
product_name <- "[Upgraded] Soil Moisture Meter, 4-in-1 Soil pH Tester, Soil Moisture/Light/Nutrients,
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")

```

```

productrev12 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Razer-Ultimate-Lightest-Wireless-Charging/product-reviews/")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Mouse"
  product_name <- "Razer Viper Ultimate Lightweight Wireless Gaming Mouse & RGB Charging Dock: Hyperspe
  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")
```

```
productrev13 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Under-Armour-Tech-Short-Sleeve/product-reviews/B07CZBVWFB/")
  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 <- "UNDER ARMOUR Men's Tech 2.0 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]

  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")
```

```
productrev14 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Carhartt-103296/product-reviews/B0CKL86ZLB/ref=cm_cr_dp_d_")
  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 <- "Carhartt"
  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/Urban-Classics-Mens-Shaped-Long/product-reviews/B086B3ZBFC")
  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 <- "Urban Classics Men's Shaped Long"
  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")

productrev16 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Venum-VENUM-03526-001-Classic-T-Shirt/product-reviews/B07R")
  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 <- "Venum Classic 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]

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")

productrev17 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Gildan-Cotton-Raglan-T-Shirt-G5700/product-reviews/B09B3LY")
  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 <- "Gildan Men's Heavy Cotton 3/4 Raglan T-Shirt, Style G5700, 2-Pack"
  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")

productrev18 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Coca-Cola-CCXX007MSC3P1XX/product-reviews/B007R1NZAC/ref=c")
  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 <- "Coca-Cola Men's Coke Classic 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]

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")

```

```

productrev19 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Under-Armour-HeatGear-Compression-Long-Sleeve/product-reviews/B01N6TYLVM/")
  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 <- "Under Armour Men's HeatGear Compression Long-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]

  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")

```

```

productrev20 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Dickies-Mens-Tall-Heavy-Weight/product-reviews/B01N6TYLVM/")
  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 <- "Dickies Men's Heavyweight Crew Neck Short Sleeve 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]

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")

```

```

productrev21 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/frueo-Quick-Dry-Anti-Odor-Breathable-Sportswear/product-rev")
  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 <- "frueo 3 Pack Men's Workout Running Shirts Athletic Gym Tops Quick-Dry Moisture Wicking"
  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")

productrev22 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Hugo-Boss-Mens-T-Shirt-RN/product-reviews/B076R4Q34S/ref=c
  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 <- "BOSS Hugo Mens 50325887 T-Shirt Rn 3p Co Base Layer Top - Multi"
  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")

productrev23 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Nautica-Short-Sleeve-V-Neck-T-Shirt/product-reviews/B077NS
  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 <- "NAUTICA Men's Short Sleeve Solid Slim Fit V-Neck 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]

  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")

productrev24 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Champion-Mens-Graphic-Jersey-Muscle/product-reviews/B07DGS1")
  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 Mens GT22H Graphic Jersey Muscle Sleeveless 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")

productrev25 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/HARLEY-DAVIDSON-Orange-Shield-T-Shirt-30290591/product-reviews/B07DGS1")
  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 <- "Harley-Davidson Men's Orange Bar & Shield Black T-Shirt 30290591"
  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")

productrev26 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Real-Essentials-Sweat-Resistant-Athletic-Performance/produ
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Real Essentials 5 Pack: Men's Dry-Fit Sweat Resistant Active Athletic Performance 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]

  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")

productrev27 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Wrangler-Authentic-Outdoor-Comfort-Shorts/product-reviews,
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
}

```

```

product_category <- "Shorts"
product_name <- "Wrangler Mens Performance Comfort Flex Waist Cargo Short Cargo Shorts"
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")

```

```

productrev28 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Dickies-Mens-Loose-Multi-Pocket-Short/product-reviews/BOCW")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Dickies Men's 13 Inch Loose Fit Multi-Pocket Work Short"
  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")

```

```

productrev29 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/1994Fashion-Compression-Athletic-Baselayer-Underwear/produ")
  session1 <- bow(link1, user_agent = "Educational Purpose")

```



```

scrapeNodes <- function(selector) {
  scrape(session1) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- "Shorts"
product_name <- "ZENGVEE 3 Pack Men's Compression Shorts Cool Dry Running Base Layer Shorts with Phon
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")

```

```

productrev30 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Nike-BV6855/product-reviews/B081PCJ7XN/ref=cm_cr_dp_d_show
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Nike"
  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")

productrev31 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Champion-81622-Mens-Long-Mesh/product-reviews/B0CRDWLYYG/r
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Champion Men's Long Mesh"
  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")

```

```

productrev32 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Under-Armour-HeatGear-Compression-Shorts/product-reviews/B
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Under Armour Men's Armour HeatGear Compression Shorts"
  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")

productrev33 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Wrangler/product-reviews/B0C4YMLM2N/ref=cm_cr_dp_d_show_al...")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Wrangler"
  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")

productrev34 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Lee-Dungarees-Belted-Wyoming-Cargo/product-reviews/B089M8J...")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Lee Men's Dungarees New Belted Wyoming Cargo Short"
  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")

productrev35 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Canterbury-Advantage-Short/product-reviews/B077K29BJN/ref=")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Canterbury Advantage Short"
  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")

productrev36 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Wrangler-Authentics-Classic-Relaxed-Pocket/product-reviews")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
}

```

```

product_category <- "Shorts"
product_name <- "Wrangler Authentics Men's Classic Relaxed Fit Five Pocket Jean"
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")

```

```

productrev37 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/NAUTICA-Classic-Front-Stretch-Solid/product-reviews/B09S72")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  product_category <- "Shorts"
  product_name <- "Nautica Men's Classic Fit Flat Front Stretch Solid Chino Deck Short"
  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")

```

```

productrev38 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Volcom-Vmonty-Stretch-Chino-Short/product-reviews/B082TJ68")
  session1 <- bow(link1, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session1) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- "Shorts"
product_name <- "Volcom"
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")

```

```

productrev39 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/LEE-Extreme-Motion-Swope-Cargo/product-reviews/B06WVSSLJ8/")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Lee Mens 21861 Extreme Motion Swope Cargo Short Cargo Shorts"
  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")
```

```
productrev40 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/UNIONBAY-Survivor-Belted-Cargo-Short-Reg/product-reviews/B")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "UNIONBAY Men's Survivor Belted Cargo Short-Reg and Big & Tall Sizes"
  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")
```

```
productrev41 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Liberty-Imports-Athletic-Basketball-Activewear/product-reviews/B")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Liberty Imports Pack of 5 Men's Athletic Basketball Shorts Mesh Quick Dry Activewear"
  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")

productrev42 <- data.frame()
for (page in 1:5) {
    link1 <- paste0("https://www.amazon.com.au/Russell-Athletic-Mens-Short-Pockets/product-reviews/B07C87")
    session1 <- bow(link1, user_agent = "Educational Purpose")

    scrapeNodes <- function(selector) {
        scrape(session1) %>%
            html_nodes(selector) %>%
            html_text(trim = TRUE)
    }
    product_category <- "Shorts"
    product_name <- "Russell Athletic Men's Mesh Short with Pockets"
    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")

productrev43 <- data.frame()
for (page in 1:5) {
    link1 <- paste0("https://www.amazon.com.au/Under-Armour-Short-Bottoms-Shorts/product-reviews/BOBN7SGQ")
    session1 <- bow(link1, user_agent = "Educational Purpose")

    scrapeNodes <- function(selector) {
        scrape(session1) %>%
            html_nodes(selector) %>%
            html_text(trim = TRUE)
    }
    product_category <- "Shorts"
    product_name <- "Under Armour UA Tech Short, Mens, Bottoms, Shorts, 10 in"
    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")

productrev44 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/MCPORO-Gym-Shorts-Men-Comfortable/product-reviews/B098FK9D")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "MCPORO Gym Shorts for Men - Comfortable Quick Dry Mens Athletic Shorts"
  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")

productrev45 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/LEE-Mens-Carpenter-Jean-Short/product-reviews/B09PBXGMSM/r")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
}

```



```

product_category <- "Shorts"
product_name <- "LEE Men's Carpenter Jean Short"
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")

```

```

productrev46 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Russell-Athletic-Cotton-Baseline-Pockets/product-reviews/B071P2NZ9")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "Russell Athletic Men's Cotton Baseline Short with Pockets"
  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")

```

```

productrev47 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Under-Armour-Mens-Graphic-Shorts/product-reviews/B071P2NZ9")
  session1 <- bow(link1, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session1) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}
product_category <- "Shorts"
product_name <- "Under Armour Men's UA Tech Graphic Short"
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")

```

```

productrev48 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/CARHARTT-Force-Relaxed-Ripstop-Cargo/product-reviews/BOBZL")
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Shorts"
  product_name <- "CARHARTT Men's Force Relaxed Fit Ripstop Cargo Work Short"
  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")
```

```
productrev49 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/HP-Display-Graphics-Keyboards-Microsoft/product-reviews/B099
  session1 <- bow(link1, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
  product_category <- "Electronics"
  product_name <- "HP Stream Laptop | 11.6 Inch HD Display | Intel Celeron N4120 | 4GB DDR4 RAM | 64GB
  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")
```

```
productrev50 <- data.frame()
for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Lenovo-Ideapad-WideView-Anti-Glare-Graphics/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 <- "Lenovo Ideapad 3 Slim Laptop | 14 Inch Full HD WideView Display Anti-Glare | AMD Ryz
  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")
```