

Lab Exercise 2

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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)
```

50 reviews of 50 product

#product 1

```
link1 <- "https://www.amazon.com.au/Fruit-Loom-Mens-Tucked-T-Shirt/product-reviews/B08GB2WDDDB/ref=cm_cr
```

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

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

```
product_category <- rep("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/Fruit-Loom-Mens-Tucked-T-Shirt/product-reviews/B08GB2WDDDB/ref=cm_cr

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

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

product_category <- rep("T-shirt", 8)

product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
product_name <- rep(product_name, 10)
product_name <- product_name[1:8]

verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
verified_reviews <-verified_reviews[1:8]

product_reviewer <- scrapeNodes("span.a-profile-name")
product_reviewer <- product_reviewer[1:8]

product_review <- scrapeNodes("span.a-size-base.review-text")
product_review <- product_review[1:8]

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

```

```

product_date <- product_date[1:8]

product_rating <- scrapeNodes("span.a-icon-alt")
product_rating <- product_rating[1:8]

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/Fruit-Loom-Mens-Tucked-T-Shirt/product-reviews/B08GB2WDDB/ref=cm_cr

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

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

product_category <- rep("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/Fruit-Loom-Mens-Tucked-T-Shirt/product-reviews/B08GB2WDDDB/ref=cm_cr

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

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

product_category <- rep("T-shirt", 10)

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

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

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

product_review <- scrapeNodes("span.a-size-base.review-text.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/Fruit-Loom-Mens-Tucked-T-Shirt/product-reviews/B08GB2WDDDB/ref=cm_cr

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

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

product_category <- rep("T-shirt", 10)

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

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

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

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

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

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

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

Sys.sleep(5)

#additional 2

```

```

link5_2 <- "https://www.amazon.com.au/Fruit-Loom-Mens-Tucked-T-Shirt/product-reviews/B08GB2WDDDB/ref=cm

session <- bow(link5_2,
               user_agent = "For Educational Purpose")

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

product_category <- rep("T-shirt", 2)

product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
product_name <- rep(product_name, 2)
product_name <- product_name[1:2]

verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
verified_reviews <- verified_reviews[1:2]

product_reviewer <- scrapeNodes("span.a-profile-name")
product_reviewer <- product_reviewer[1:2]

product_review <- scrapeNodes("span.a-size-base.review-text")
product_review <- product_review[1:2]

product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
product_date <- product_date[1:2]

product_rating <- scrapeNodes("span.a-icon-alt")
product_rating <- product_rating[1:2]

productreviews5_2= data.frame()
productreviews5_2 <- rbind(productreviews5_2, 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))

productrev1 <- rbind(productreviews5,productreviews1,productreviews2,productreviews3,productreviews4,pr

write.csv(productrev1, file = "productrev1.csv")

product 2

link1 <- "https://www.amazon.com.au/Carhartt-K87-Workwear-Short-Sleeve-T-Shirt/product-reviews/B07B12XV

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", 9)

product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
product_name <- rep(product_name, 9)
product_name <- product_name[1:9]

verified_reviews <- scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
verified_reviews <- verified_reviews[1:9]

product_reviewer <- scrapeNodes("span.a-profile-name")
product_reviewer <- product_reviewer[1:9]

product_review <- scrapeNodes("span.a-size-base.review-text")
product_review <- product_review[1:9]

product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
product_date <- product_date[1:9]

product_rating <- scrapeNodes("span.a-icon-alt")
product_rating <- product_rating[1:9]

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/Carhartt-K87-Workwear-Short-Sleeve-T-Shirt/product-reviews/B07B12XV"

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/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/Carhartt-K87-Workwear-Short-Sleeve-T-Shirt/product-reviews/B07B12XV"

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/Carhartt-K87-Workwear-Short-Sleeve-T-Shirt/product-reviews/B07B12XV"

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))

#addtionioal 1
link6 <- "https://www.amazon.com.au/Carhartt-K87-Workwear-Short-Sleeve-T-Shirt/product-reviews/B07B12

session <- bow(link6,
               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]

productreviews6= data.frame()
productreviews6 <- rbind(productreviews6, 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,p

write.csv(productrev2, file = "productrev2.csv")

product 3
link1 <- "https://www.amazon.com.au/Gildan-G1100/product-reviews/BOCVXTYRJ8/ref=cm_cr_dp_d_show_all_btm

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-G1100/product-reviews/BOCVXTYRJ8/ref=cm_cr_arp_d_paging_btm_1

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-G1100/product-reviews/BOCVXTYRJ8/ref=cm_cr_getr_d_paging_btm_1

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-G1100/product-reviews/BOCVXTYRJ8/ref=cm_cr_getr_d_paging_btm

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", 9)

```

```

product_name <- scrapeNodes("h1.a-size-large.a-text-ellipsis")
product_name <- rep(product_name, 9)
product_name <- product_name[1:9]

verified_reviews <-scrapeNodes("span.a-size-mini.a-color-state.a-text-bold")
verified_reviews <-verified_reviews[1:9]

product_reviewer <- scrapeNodes("span.a-profile-name")
product_reviewer <- product_reviewer[1:9]

product_review <- scrapeNodes("span.a-size-base.review-text")
product_review <- product_review[1:9]

product_date <- scrapeNodes("span.a-size-base.a-color-secondary.review-date")
product_date <- product_date[1:9]

product_rating <- scrapeNodes("span.a-icon-alt")
product_rating <- product_rating[1:9]

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-G1100/product-reviews/BOCVXTYRJ8/ref=cm_cr_getr_d_paging_btm

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))

#additional
link6 <- "https://www.amazon.com.au/Gildan-G1100/product-reviews/B0CVXTYRJ8/ref=cm_cr_getr_d_paging_b

session <- bow(link6,
  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]

productreviews6= data.frame()
productreviews6 <- rbind(productreviews6, 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,p

write.csv(productrev3, file = "productrev3.csv")
product 4
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("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/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("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/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("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/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("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/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("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)

productrev4 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)

write.csv(productrev4, file = "productrev4.csv")

product 5

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

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

```

```

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

product_category <- rep("T-shirt", 10)

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

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

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

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

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

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

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

Sys.sleep(5)

link2 <- "https://www.amazon.com.au/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=cr

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

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

product_category <- rep("T-shirt", 10)

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

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

```

```

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

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

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

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

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

Sys.sleep(5)

link4 <- "https://www.amazon.com.au/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=cr

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

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

product_category <- rep("T-shirt", 10)

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

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

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

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

```



```

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

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

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

Sys.sleep(5)

link5 <- "https://www.amazon.com.au/Gildan-Heavy-Cotton-T-Shirt-2-Pack/product-reviews/B07MKKPHDT/ref=cr

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

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

product_category <- rep("T-shirt", 10)

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

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

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

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

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

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

productreviews5= data.frame()

```

```

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

Sys.sleep(5)

productrev5 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)

write.csv(productrev5, file = "productrev5.csv")

product 6

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("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/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("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/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("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/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("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/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("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)

productrev6 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)

write.csv(productrev6, file = "productrev6.csv")

product 7

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 = "productrev7.csv")

product 8

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 = "productrev8.csv")

product 9

link1 <- "https://www.amazon.com.au/Dickies-Mens-Tall-Heavy-Weight/product-reviews/B01N6TYLVM/ref=cm_cr

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

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

product_category <- rep("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/Dickies-Mens-Tall-Heavy-Weight/product-reviews/B01N6TYLVM/ref=cm_cr

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

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

product_category <- rep("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/Dickies-Mens-Tall-Heavy-Weight/product-reviews/B01N6TYLVM/ref=cm_cr

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

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

product_category <- rep("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/Dickies-Mens-Tall-Heavy-Weight/product-reviews/B01N6TYLVM/ref=cm_cr

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

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

product_category <- rep("T-shirt", 10)

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

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

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

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

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

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

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

```

```

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

Sys.sleep(5)

link5 <- "https://www.amazon.com.au/Dickies-Mens-Tall-Heavy-Weight/product-reviews/B01N6TYLVM/ref=cm_cr

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

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

product_category <- rep("T-shirt", 10)

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

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

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

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

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

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

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

Sys.sleep(5)

```

```

productrev9 <- rbind(productreviews1,productreviews2,productreviews3,productreviews4,productreviews5)

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

product 10

productrev10 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Champion-Classic-Jersey-T-Shirt-Oxford/product-reviews/B01N61N61N")
  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 Men's Classic Jersey"
  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 = "productrev10.csv")

#View(productrev10)

productrev11 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Champion-Mens-Classic-Jersey-T-Shirt/product-reviews/B01N61N61N")
  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 Men's Classic Jersey"
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 = "productrev11.csv")

#View(productrev11)

productrev12 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Merino-Protect-T-Shirt-Resistance-Outdoor/product-reviews/")
  session1 <- bow(link1, user_agent = "Educational Purpose")

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

  product_category <- "T-shirt"
  product_name <- "Merino Protect 100% Merino Wool T Shirts for Men Odor Resistance Base Layer Lightweight"
  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 = "productrev12.csv")

#View(productrev12)
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 = "productrev13.csv")

#View(productrev13)
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) %>%

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```

    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 = "productrev14.csv")

#View(productrev14)
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,

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```

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

    Sys.sleep(3)
}

write.csv(productrev15, file = "productrev15.csv")

#View(productrev15)
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 = "productrev16.csv")

#View(productrev16)
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 = "productrev17.csv")

#View(productrev17)
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 = "productrev18.csv")

#View(productrev18)
productrev19 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Under-Armour-HeatGear-Compression-Long-Sleeve/product-revi
  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 = "productrev19.csv")

```

```

#View(productrev19)

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 = "productrev20.csv")

#View(productrev20)

productrev21 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/frueo-Quick-Dry-Anti-Odor-Breathable-Sportswear/product-re")
  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 Wicki
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 = "productrev21.csv")

#View(productrev21)

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 = "productrev22.csv")

#View(productrev22)
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 = "productrev23.csv")

#View(productrev23)
productrev24 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Champion-Mens-Graphic-Jersey-Muscle/product-reviews/B07DGS")
  session1 <- bow(link1, user_agent = "Educational Purpose")

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

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```

      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 = "productrev24.csv")

#View(productrev24)

productrev25 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/HARLEY-DAVIDSON-Orange-Shield-T-Shirt-30290591/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 <- "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,

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

    Sys.sleep(3)
}

write.csv(productrev25, file = "productrev25.csv")

#View(productrev25)

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 = "productrev26.csv")

#View(productrev26)

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 = "productrev27.csv")

#View(productrev27)

productrev28 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Dickies-Mens-Loose-Multi-Pocket-Short/product-reviews/B0CW")
  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 = "productrev28.csv")

#View(productrev28)

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 = "productrev29.csv")

#View(productrev29)

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 = "productrev30.csv")

#View(productrev30)

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 = "productrev31.csv")

#View(productrev31)

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 = "productrev32.csv")

#View(productrev32)

```

```

productrev33 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Wrangler/product-reviews/BOC4YMLM2N/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 = "productrev33.csv")

#View(productrev33)

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 = "productrev34.csv")

#View(productrev34)
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 = "productrev35.csv")

#View(productrev35)
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 = "productrev36.csv")

#View(productrev36)
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 = "productrev37.csv")

#View(productrev37)

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 = "productrev38.csv")

#View(productrev38)
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 = "productrev39.csv")

#View(productrev39)
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 = "productrev40.csv")

#View(productrev40)

productrev41 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Liberty-Imports-Athletic-Basketball-Activewear/product-rev")
  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 = "productrev41.csv")

#View(productrev41)
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 = "productrev42.csv")

#View(productrev42)
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 = "productrev43.csv")

#View(productrev43)

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 = "productrev44.csv")

#View(productrev44)

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 = "productrev45.csv")

#View(productrev45)

```

```

productrev46 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/Russell-Athletic-Cotton-Baseline-Pockets/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 <- "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 = "productrev46.csv")

#View(productrev46)

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 = "productrev47.csv")

#View(productrev47)

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 = "productrev48.csv")

```

```

#View(productrev48)

productrev49 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/G-Star-Raw-51003-7607-424/product-reviews/B079JXYSQ6/ref=c
  session1 <- bow(link1, user_agent = "Educational Purpose")

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

  product_category <- "Shorts"
  product_name <- "G-Star Men's Sato Denim"
  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 = "productrev49.csv")

#View(productrev49)

productrev50 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.amazon.com.au/PUMA-Shorts-Training-Black-White/product-reviews/B0781W145
  session1 <- bow(link1, user_agent = "Educational Purpose")

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

  product_category <- "Shorts"
  product_name <- "PUMA Men's Liga Shorts Core Training Black White, L"
  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 = "productrev50.csv")

#View(productrev50)

allproductrev<-bind_rows(productrev1,productrev2,productrev3,productrev4,productrev5,productrev6,productrev7,productrev8,productrev9,productrev10,productrev11,productrev12,productrev13,productrev14,productrev15,productrev16,productrev17,productrev18,productrev19,productrev20,productrev21,productrev22,productrev23,productrev24,productrev25,productrev26,productrev27,productrev28,productrev29,productrev30,productrev31,productrev32,productrev33,productrev34,productrev35,productrev36,productrev37,productrev38,productrev39,productrev40,productrev41,productrev42,productrev43,productrev44,productrev45,productrev46,productrev47,productrev48,productrev49,productrev50)

write.csv(allproductrev, file ="allproductrev.csv")

```