Lab Exercise 3

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```r
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
```

```r
library(rvest)
library(polite)
library(httr)


reviews <- data.frame()

link <- "https://www.imdb.com/title/tt0111161/reviews?ref_=tt_urv"
session <- bow(link, user_agent = "Educational Purpose")

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

titleMovie <- scrapeNodes("a.subnav_heading")
reviewer <- scrapeNodes("span.display-name-link")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]
scrapedReview <- scrapeNodes("div.text.show-more__control")[1:10]
scrapedTitleReview <- scrapeNodes("a.title")[1:10]

reviews <- rbind(reviews, data.frame(
  movie_title = rep(titleMovie, 10),
  reviewer_name = reviewer,
  review_date = scrapedDate,
  review_rating = scrapedRating,
  review_content = scrapedReview,
  review_title = scrapedTitleReview
))
```

```
reviews
```

```
##                   movie_title      reviewer_name      review_date review_rating
## 1  The Shawshank Redemption hitchcockthelegend      24 July 2010          10/10
## 2  The Shawshank Redemption     Sleepin_Dragon 17 February 2021          10/10
## 3  The Shawshank Redemption           EyeDunno 21 November 2005          10/10
## 4  The Shawshank Redemption           kaspen12 10 February 2006          10/10
## 5  The Shawshank Redemption   alexkolokotronis 18 February 2008          10/10
## 6  The Shawshank Redemption          speedreid  8 February 2001          10/10
## 7  The Shawshank Redemption          weswalker   27 August 2002          10/10
## 8  The Shawshank Redemption            auuwws   8 October 2020          10/10
## 9  The Shawshank Redemption            nowego      15 June 2018          10/10
## 10 The Shawshank Redemption            Coxer99   25 March 1999          10/10
##
## 1
## 2
## 3
## 4
## 5
## 6
## 7  Can Hollywood, usually creating things for entertainment purposes only, create art?  To create sor
## 8
## 9
## 10
##                                     review_title
## 1          Some birds aren't meant to be caged.
## 2  An incredible movie. One that lives with you.
## 3                         Don't Rent Shawshank.
## 4  A classic piece of unforgettable film-making.
## 5           This is How Movies Should Be Made
## 6                         Prepare to be moved
## 7             Shawshank Redeems Hollywood
## 8                the shawshank redemption
## 9                           Eternal Hope
## 10               The Shawshank Redemption
```