

# Lab\_Exercise#2

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2024-03-07

SCRAPING FOR 50

```
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)

movie1 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.imdb.com/title/tt0021749/reviews?ref_=tt_urv", page)
  session1 <- bow(link1, user_agent = "Educational Purpose")

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

  MovieName <- "City Lights (1931)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsable div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie1 <- rbind(movie1, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
```

```

    ratings = scrapedRating
  })

}

#View(movie1)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie2 <- data.frame()

for (page in 1:5) {
  link2 <- paste0("https://www.imdb.com/title/tt0050083/reviews?ref_=tt_urv", page)
  session1 <- bow(link2, user_agent = "Educational Purpose")

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

  MovieName <- "12 Angry Men (1957)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie2 <- rbind(movie2, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie2)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie3 <- data.frame()

```

```

for (page in 1:5) {
link3 <- paste0("https://www.imdb.com/title/tt0120737/reviews?ref_=tt_urv")
session1 <- bow(link3, user_agent = "Educational Purpose")

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

  MovieName <- "The Lord of the Rings: The Fellowship of the Ring (2001)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie3 <- rbind(movie3, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie3)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie4 <- data.frame()

for (page in 1:5) {
link4 <- paste0("https://www.imdb.com/title/tt0095327/reviews?ref_=tt_urv")
session1 <- bow(link4, user_agent = "Educational Purpose")

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

  MovieName <- "Grave of the Fireflies (1988)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]

```

```

scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie4 <- rbind(movie4, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie4)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie5 <- data.frame()

for (page in 1:5) {
link5 <- paste0("https://www.imdb.com/title/tt0482571/reviews?ref_=tt_urv")
session1 <- bow(link5, user_agent = "Educational Purpose")

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

  MovieName <- "The Prestige (2006)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie5 <- rbind(movie5, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

```

```
#View(movie5)
```

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

movie6 <- data.frame()

for (page in 1:5) {
  link6 <- paste0("https://www.imdb.com/title/tt11057302/reviews?ref_=tt_urv")
  session1 <- bow(link6, user_agent = "Educational Purpose")

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

  MovieName <- "Madame Web (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie6 <- rbind(movie6, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}
```

```
#View(movie6)
```

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

movie7 <- data.frame()

for (page in 1:5) {
  link7 <- paste0("https://www.imdb.com/title/tt30215084/reviews?ref_=tt_urv")
  session1 <- bow(link7, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
```

```

    scrape(session1) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "This Is Me... Now (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie7 <- rbind(movie7, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie7)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie8 <- data.frame()

for (page in 1:5) {
  link8 <- paste0("https://www.imdb.com/title/tt19395018/reviews?ref_=tt_urv")
  session1 <- bow(link8, user_agent = "Educational Purpose")

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

  MovieName <- "Constellation (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie8 <- rbind(movie8, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,

```

```

    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie8)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie9 <- data.frame()

for (page in 1:5) {
  link9 <- paste0("https://www.imdb.com/title/tt30395619/reviews?ref_=tt_urv")
  session1 <- bow(link9, user_agent = "Educational Purpose")

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

  MovieName <- "Demon Slayer: Kimetsu No Yaiba - To the Hashira Training (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie9 <- rbind(movie9, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie9)

library(dplyr)
library(rvest)
library(polite)
library(httr)

```

```

library(selectr)

movie10 <- data.frame()

for (page in 1:5) {
link10 <- paste0("https://www.imdb.com/title/tt9018736/reviews?ref_=tt_urv")
session1 <- bow(link10, user_agent = "Educational Purpose")

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

  MovieName <- "Avatar: The Last Airbender (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie10 <- rbind(movie10, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie10)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie11 <- data.frame()

for (page in 1:5) {
link11 <- paste0("https://www.imdb.com/title/tt9859436/reviews?ref_=tt_urv")
session1 <- bow(link11, user_agent = "Educational Purpose")

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

  MovieName <- "The Walking Dead: The Ones Who Live (2024)"

```



```

scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie11 <- rbind(movie11, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie11)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie12 <- data.frame()

for (page in 1:5) {
link12 <- paste0("https://www.imdb.com/title/tt11847842/reviews?ref_=tt_urv")
session1 <- bow(link12, user_agent = "Educational Purpose")

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

  MovieName <- "The Tourist (2022-2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie12 <- rbind(movie12, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

```
}
```

```
#View(movie12)
```

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

```
movie13 <- data.frame()
```

```
for (page in 1:5) {
link13 <- paste0("https://www.imdb.com/title/tt13875494/reviews?ref_=tt_urv")
session1 <- bow(link13, user_agent = "Educational Purpose")
```

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

```
  MovieName <- "Tracker (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]
```

```
  movie13 <- rbind(movie13, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}
```

```
#View(movie13)
```

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

```
movie14 <- data.frame()
```

```
for (page in 1:5) {
link14 <- paste0("https://www.imdb.com/title/tt17351924/reviews?ref_=tt_urv")
session1 <- bow(link14, user_agent = "Educational Purpose")
```

```

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

MovieName <- "Saltburn (2023)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie14 <- rbind(movie14, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie14)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie15 <- data.frame()

for (page in 1:5) {
  link15 <- paste0("https://www.imdb.com/title/tt5537002/reviews?ref_=tt_urv")
  session1 <- bow(link15, user_agent = "Educational Purpose")

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

  MovieName <- "Killers of the Flower Moon (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie15 <- rbind(movie15, data.frame(

```

```

    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie15)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie16 <- data.frame()

for (page in 1:5) {
  link16 <- paste0("https://www.imdb.com/title/tt1517268/reviews?ref_=tt_urv")
  session1 <- bow(link16, user_agent = "Educational Purpose")

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

  MovieName <- "KBarbie (I) (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie16 <- rbind(movie16, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie16)

library(dplyr)
library(rvest)

```

```

library(polite)
library(httr)
library(selectr)

movie17 <- data.frame()

for (page in 1:5) {
link17 <- paste0("https://www.imdb.com/title/tt8773420/reviews?ref_=tt_urv")
session1 <- bow(link17, user_agent = "Educational Purpose")

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

  MovieName <- "Expats (2023-2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie17 <- rbind(movie17, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie17)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie18 <- data.frame()

for (page in 1:5) {
link18 <- paste0("https://www.imdb.com/title/tt6226232/reviews?ref_=tt_urv")
session1 <- bow(link18, user_agent = "Educational Purpose")

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

```

```

    MovieName <- "Young Sheldon (2017-2024)"
    scrapedTitle <- scrapeNodes("a.title")[1:10]
    scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
    scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
    scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
    scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

    movie18 <- rbind(movie18, data.frame(
      movie_name = MovieName,
      title = scrapedTitle,
      reviewer = scrapedReviewer,
      review = scrapedReview,
      date = scrapedDate,
      ratings = scrapedRating
    ))
  }

```

*#View(movie18)*

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie19 <- data.frame()

for (page in 1:5) {
  link19 <- paste0("https://www.imdb.com/title/tt23561236/reviews?ref_=tt_urv")
  session1 <- bow(link19, user_agent = "Educational Purpose")

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

  MovieName <- "American Fiction (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie19 <- rbind(movie19, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

```

))

}

#View(movie19)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie20 <- data.frame()

for (page in 1:5) {
link20 <- paste0("https://www.imdb.com/title/tt7216636/reviews?ref_=tt_urv")
session1 <- bow(link20, user_agent = "Educational Purpose")

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

  MovieName <- "Hazbin Hotel (2019)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie20 <- rbind(movie20, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie20)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie21 <- data.frame()

```

```

for (page in 1:5) {
link21 <- paste0("https://www.imdb.com/title/tt15239678/reviews?ref_=tt_urv")
session1 <- bow(link21, user_agent = "Educational Purpose")

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

  MovieName <- "Dune: Part Two (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie21 <- rbind(movie21, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie21)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie22 <- data.frame()

for (page in 1:5) {
link22 <- paste0("https://www.imdb.com/title/tt11097384/reviews?ref_=tt_urv")
session1 <- bow(link22, user_agent = "Educational Purpose")

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

  MovieName <- "Spaceman (I) (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]

```



```

scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie22 <- rbind(movie22, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie22)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie23 <- data.frame()

for (page in 1:5) {
link23 <- paste0("https://www.imdb.com/title/tt3850598/reviews?ref_=tt_urv")
session1 <- bow(link23, user_agent = "Educational Purpose")

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

  MovieName <- "BMF (2021)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie23 <- rbind(movie23, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie23)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie24 <- data.frame()

for (page in 1:5) {
link24 <- paste0("https://www.imdb.com/title/tt2788316/reviews?ref_=tt_urv")
session1 <- bow(link24, user_agent = "Educational Purpose")

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

  MovieName <- "Shōgun (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie24 <- rbind(movie24, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie24)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie25 <- data.frame()

for (page in 1:5) {
link25 <- paste0("https://www.imdb.com/title/tt16277242/reviews?ref_=tt_urv")
session1 <- bow(link25, user_agent = "Educational Purpose")

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

```

```

    html_nodes(selector) %>%
    html_text(trim = TRUE)
  }

  MovieName <- "Society of the Snow (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie25 <- rbind(movie25, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie25)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie26 <- data.frame()

for (page in 1:5) {
  link26 <- paste0("https://www.imdb.com/title/tt21064584/reviews?ref_=tt_urv")
  session1 <- bow(link26, user_agent = "Educational Purpose")

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

  MovieName <- "The Iron Claw (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie26 <- rbind(movie26, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,

```

```

    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie26)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie27 <- data.frame()

for (page in 1:5) {
  link27 <- paste0("https://www.imdb.com/title/tt28184392/reviews?ref_=tt_urv")
  session1 <- bow(link27, user_agent = "Educational Purpose")

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

  MovieName <- "Chamak (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie27 <- rbind(movie27, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie27)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

```

```

movie28 <- data.frame()

for (page in 1:5) {
link28 <- paste0("https://www.imdb.com/title/tt13238346/reviews?ref_=tt_urv")
session1 <- bow(link28, user_agent = "Educational Purpose")

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

  MovieName <- "Past Lives (2023)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie28 <- rbind(movie28, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie28)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie29 <- data.frame()

for (page in 1:5) {
link29 <- paste0("https://www.imdb.com/title/tt21192142/reviews?ref_=tt_urv")
session1 <- bow(link29, user_agent = "Educational Purpose")

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

  MovieName <- "All of Us Strangers (2023)"
scrapedTitle <- scrapeNodes("a.title")[1:10]

```

```

scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie29 <- rbind(movie29, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

```

*#View(movie29)*

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie30 <- data.frame()

for (page in 1:5) {
link30 <- paste0("https://www.imdb.com/title/tt23561236/reviews?ref_=tt_urv")
session1 <- bow(link30, user_agent = "Educational Purpose")

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

  MovieName <- "American Fiction (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie30 <- rbind(movie30, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

```

}

#View(movie30)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie31 <- data.frame()

for (page in 1:5) {
link31 <- paste0("https://www.imdb.com/title/tt8097030/reviews?ref_=tt_urv")
session1 <- bow(link31, user_agent = "Educational Purpose")

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

  MovieName <- "Turning Red (2022)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie31 <- rbind(movie31, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie31)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie32 <- data.frame()

for (page in 1:5) {
link32 <- paste0("https://www.imdb.com/title/tt10366206/reviews?ref_=tt_urv")
session1 <- bow(link32, user_agent = "Educational Purpose")

```

```

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

MovieName <- "John Wick: Chapter 4 (2023)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie32 <- rbind(movie32, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

```

*#View(movie32)*

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie33 <- data.frame()

for (page in 1:5) {
  link33 <- paste0("https://www.imdb.com/title/tt4786824/reviews?ref_=tt_urv")
  session1 <- bow(link33, user_agent = "Educational Purpose")

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

  MovieName <- "The Crown (2016-2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie33 <- rbind(movie33, data.frame(

```



```

    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie33)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie34 <- data.frame()

for (page in 1:5) {
  link34 <- paste0("https://www.imdb.com/title/tt10638522/reviews?ref_=tt_urv")
  session1 <- bow(link34, user_agent = "Educational Purpose")

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

  MovieName <- "Talk to Me (I) (2022)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie34 <- rbind(movie34, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie34)

library(dplyr)
library(rvest)

```

```

library(polite)
library(httr)
library(selectr)

movie35 <- data.frame()

for (page in 1:5) {
link35 <- paste0("https://www.imdb.com/title/tt15239678/reviews?ref_=tt_urv")
session1 <- bow(link35, user_agent = "Educational Purpose")

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

  MovieName <- "Dune: Part Two (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie35 <- rbind(movie35, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie35)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie36 <- data.frame()

for (page in 1:5) {
link36 <- paste0("https://www.imdb.com/title/tt13406094/reviews?ref_=tt_urv")
session1 <- bow(link36, user_agent = "Educational Purpose")

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

```

```

    MovieName <- "The White Lotus (2021-2025)"
    scrapedTitle <- scrapeNodes("a.title")[1:10]
    scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
    scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
    scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
    scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

    movie36 <- rbind(movie36, data.frame(
      movie_name = MovieName,
      title = scrapedTitle,
      reviewer = scrapedReviewer,
      review = scrapedReview,
      date = scrapedDate,
      ratings = scrapedRating
    ))
  }

```

*#View(movie36)*

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie37 <- data.frame()

for (page in 1:5) {
  link37 <- paste0("https://www.imdb.com/title/tt0374463/reviews?ref_=tt_urv")
  session1 <- bow(link37, user_agent = "Educational Purpose")

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

  MovieName <- "The Pacific (2010)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie37 <- rbind(movie37, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

```

))

}

#View(movie37)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie38 <- data.frame()

for (page in 1:5) {
link38 <- paste0("https://www.imdb.com/title/tt14452776/reviews?ref_=tt_urv")
session1 <- bow(link38, user_agent = "Educational Purpose")

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

  MovieName <- "The Bear (2022)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie38 <- rbind(movie38, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie38)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie39 <- data.frame()

```

```

for (page in 1:5) {
link39 <- paste0("https://www.imdb.com/title/tt2356777/reviews?ref_=tt_urv")
session1 <- bow(link39, user_agent = "Educational Purpose")

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

  MovieName <- "True Detective (2014)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie39 <- rbind(movie39, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie39)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie40 <- data.frame()

for (page in 1:5) {
link40 <- paste0("https://www.imdb.com/title/tt5687612/reviews?ref_=tt_urv")
session1 <- bow(link40, user_agent = "Educational Purpose")

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

  MovieName <- "Fleabag (2016-2019)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]

```

```

scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie40 <- rbind(movie40, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie40)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie41 <- data.frame()

for (page in 1:5) {
link41 <- paste0("https://www.imdb.com/title/tt10244600/reviews?ref_=tt_urv")
session1 <- bow(link41, user_agent = "Educational Purpose")

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

  MovieName <- "Winning Time: The Rise of the Lakers Dynasty (2022-2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie41 <- rbind(movie41, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie41)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie42 <- data.frame()

for (page in 1:5) {
link42 <- paste0("https://www.imdb.com/title/tt0111161/reviews?ref_=tt_urv")
session1 <- bow(link42, user_agent = "Educational Purpose")

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

  MovieName <- "The Shawshank Redemption (1994)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie42 <- rbind(movie42, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie42)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie43 <- data.frame()

for (page in 1:5) {
link43 <- paste0("https://www.imdb.com/title/tt0068646/reviews?ref_=tt_urv")
session1 <- bow(link43, user_agent = "Educational Purpose")

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

```

```

    html_nodes(selector) %>%
    html_text(trim = TRUE)
  }

  MovieName <- "The Godfather (1972)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie43 <- rbind(movie43, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie43)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie44 <- data.frame()

for (page in 1:5) {
  link44 <- paste0("https://www.imdb.com/title/tt0468569/reviews?ref_=tt_urv")
  session1 <- bow(link44, user_agent = "Educational Purpose")

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

  MovieName <- "The Dark Knight (2008)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.list-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie44 <- rbind(movie44, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,

```



```

    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie44)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie45 <- data.frame()

for (page in 1:5) {
  link45 <- paste0("https://www.imdb.com/title/tt0245429/reviews?ref_=tt_urv")
  session1 <- bow(link45, user_agent = "Educational Purpose")

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

  MovieName <- "Spirited Away (2001)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie45 <- rbind(movie45, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie45)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

```

```

movie46 <- data.frame()

for (page in 1:5) {
link46 <- paste0("https://www.imdb.com/title/tt0088763/reviews?ref_=tt_urv")
session1 <- bow(link46, user_agent = "Educational Purpose")

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

  MovieName <- "Back to the Future (1985)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie46 <- rbind(movie46, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie46)

```

```

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie47 <- data.frame()

for (page in 1:5) {
link47 <- paste0("https://www.imdb.com/title/tt0082971/reviews?ref_=tt_urv")
session1 <- bow(link47, user_agent = "Educational Purpose")

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

  MovieName <- "Raiders of the Lost Ark (1981)"
scrapedTitle <- scrapeNodes("a.title")[1:10]

```

```

scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie47 <- rbind(movie40, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie47)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie48 <- data.frame()

for (page in 1:5) {
link48 <- paste0("https://www.imdb.com/title/tt0090605/reviews?ref_=tt_urv")
session1 <- bow(link48, user_agent = "Educational Purpose")

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

  MovieName <- "Aliens (1986)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie48 <- rbind(movie48, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

```

}

#View(movie48)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie49 <- data.frame()

for (page in 1:5) {
link49 <- paste0("https://www.imdb.com/title/tt1049413/reviews?ref_=tt_urv")
session1 <- bow(link49, user_agent = "Educational Purpose")

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

  MovieName <- "Up (2009)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

  movie49 <- rbind(movie49, data.frame(
    movie_name = MovieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie49)

library(dplyr)
library(rvest)
library(polite)
library(httr)
library(selectr)

movie50 <- data.frame()

for (page in 1:5) {
link50 <- paste0("https://www.imdb.com/title/tt0347149/reviews?ref_=tt_urv")
session1 <- bow(link50, user_agent = "Educational Purpose")

```

```

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

MovieName <- "owl's Moving Castle (2004)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
scrapedDate <- scrapeNodes("div.lister-item:nth-of-type(n+2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("span.rating-other-user-rating")[1:10]

movie50 <- rbind(movie50, data.frame(
  movie_name = MovieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))

}

#View(movie50)

all_movies <- data.frame()

for (i in 1:50) {
  assign(paste0("movie", i), get(paste0("movie", i)))
  all_movies <- bind_rows(all_movies, get(paste0("movie", i)))
}

write.csv(all_movies, file = "all_movies.csv", row.names = FALSE)
#View(all_movies)

```