

# Activity 2

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```
install.packages("dplyr") install.packages("rvest") install.packages("httr") install.packages("polite")
```

SCRAPING FOR 50

Movie 1

```
library(dplyr)
```

```
## Warning: package 'dplyr' was built under R version 4.3.3
```

```
##
```

```
## 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)
```

```
## Warning: package 'rvest' was built under R version 4.3.3
```

```
library(polite)
```

```
## Warning: package 'polite' was built under R version 4.3.3
```

```
library(httr)
```

```
## Warning: package 'httr' was built under R version 4.3.3
```

```
library(selectr)
```

```
## Warning: package 'selectr' was built under R version 4.3.2
```

```

movie1 <- data.frame()

for (page in 1:5) {
  link1 <- paste0("https://www.imdb.com/title/tt0903747/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 <- "Breaking Bad (2008-2013)"
  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]

  movie1 <- rbind(movie1, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie1)

```

#Movie2

```

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/tt5491994/reviews?ref_=tt_urv", page)
  session2 <- bow(link2, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session2) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
}

```

```

movieName <- "Planet Earth II (2016)"
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)

```

#movie3

```

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/tt0417299/reviews?ref_=tt_urv", page)
  session3 <- bow(link3, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session3) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Avatar: The Last Airbender (2005-2008)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes(".collapsible div.text")[1:10]
  scrapedDate <- scrapeNodes("div.lister-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)*

#Movie 4

```

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/tt0111161/reviews?ref_=tt_urv", page)
  session4 <- bow(link4, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session4) %>%
      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.lister-item:nth-of-type(n+2) span.review-date")[1:10]

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

  Sys.sleep(3)
}

#View(movie4)

```

#Movie 5

```

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/tt0120737/reviews?ref_=tt_urv", page)
  session5 <- bow(link5, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session5) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "The Lord of the Rings: The Fellowship of the Ring"
  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]

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

#View(movie5)

```

#Movie 6

```

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

movie6 <- data.frame()

for (page in 3:7) {
  link6 <- paste0("https://www.imdb.com/title/tt0468569/reviews?ref_=tt_urv", page)
  session6 <- bow(link6, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session6) %>%
    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("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

))

}

#View(movie6)

```

#Movie7

```

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

movie7 <- data.frame()

for (page in 3:7) {
  link7 <- paste0("https://www.imdb.com/title/tt0118799/reviews?ref_=tt_urv", page)
  session7 <- bow(link7, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session7) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Life Is Beautiful (1997)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
}

```

```

scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

}

#View(movie7)

```

#Movie 8

```

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

movie8 <- data.frame()

for (page in 3:7) {
  link8 <- paste0("https://www.imdb.com/title/tt0047478/reviews?ref_=tt_urv", page)
  session8 <- bow(link8, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session8) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Seven Samurai (1954)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

  movie8 <- rbind(movie8, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

```

```
#View(movie8)
```

```
#Movie9
```

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

movie9 <- data.frame()

for (page in 3:7) {
  link9 <- paste0("https://www.imdb.com/title/tt0317248/reviews?ref_=tt_urv", page)
  session9 <- bow(link9, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session9) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "City of God (2002)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsable div.ipl-ratings-bar")[1:10]

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

```
#View(movie9)
```

```
#Movie10
```

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

movie10 <- data.frame()
```



```

for (page in 6:10) {
  link10 <- paste0("https://www.imdb.com/title/tt0102926/reviews?ref_=tt_urv", page)
  session10 <- bow(link10, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session10) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "The Silence of the Lambs (1991)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

}

#View(movie10)

```

#Movie11

```

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

movie11 <- data.frame()

for (page in 3:7) {
  link11 <- paste0("https://www.imdb.com/title/tt0245429/reviews?ref_=tt_urv", page)
  session11 <- bow(link11, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session11) %>%
      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("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

))

}

#View(movie11)

```

#Movie12

```

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

movie12 <- data.frame()

for (page in 3:7) {
  link12 <- paste0("https://www.imdb.com/title/tt6751668/reviews?ref_=tt_urv", page)
  session12 <- bow(link12, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session12) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Parasite (2019)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

  movie12 <- rbind(movie12, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,

```

```

    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating

  ))

  #Sys.sleep(3)
}

#View(movie12)

#Movie13

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

movie13 <- data.frame()

for (page in 3:7) {
  link13 <- paste0("https://www.imdb.com/title/tt2380307/reviews?ref_=tt_urv", page)
  session13 <- bow(link12, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session13) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Coco (I) (2017))"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie13)

#Movie14

```

```

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

movie14 <- data.frame()

for (page in 3:7) {
  link14 <- paste0("https://www.imdb.com/title/tt0053291/reviews?ref_=tt_urv", page)
  session14 <- bow(link14, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session14) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Some Like It Hot (1959)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie14)

```

#Movie15

```

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

movie15 <- data.frame()

for (page in 3:7) {
  link15 <- paste0("https://www.imdb.com/title/tt1187043/reviews?ref_=tt_urv", page)
  session15 <- bow(link15, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session15) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}

movieName <- "3 Idiots (2009)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

movie15 <- rbind(movie15, data.frame(
  movie_name = movieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))
}

#View(movie15)

```

#Movie16

```

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

movie16 <- data.frame()

for (page in 3:7) {
  link16 <- paste0("https://www.imdb.com/title/tt0105236/reviews?ref_=tt_urv", page)
  session16 <- bow(link16, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session16) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Reservoir Dogs (1992)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]
}

```

```

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

```

*#View(movie16)*

#Movie17

```

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

movie17 <- data.frame()

for (page in 3:7) {
  link17 <- paste0("https://www.imdb.com/title/tt0036775/reviews?ref_=tt_urv", page)
  session17 <- bow(link17, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session17) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Double Indemnity (1944)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

```

```
#View(movie17)
```

```
#Movie18
```

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

movie18 <- data.frame()

for (page in 3:7) {
  link18 <- paste0("https://www.imdb.com/title/tt26047818/reviews?ref_=tt_urv", page)
  session18 <- bow(link18, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session18) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Anyone But You (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie18)
```

```
#Movie19
```

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

movie19 <- data.frame()
```

```

for (page in 3:7) {
  link19 <- paste0("https://www.imdb.com/title/tt0211915/reviews?ref_=tt_urv", page)
  session19 <- bow(link19, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session19) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Amélie (2001)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie19)

```

#Movie20

```

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

movie20 <- data.frame()

for (page in 3:7) {
  link20 <- paste0("https://www.imdb.com/title/tt0133093/reviews?ref_=tt_urv", page)
  session20 <- bow(link20, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session20) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "The Matrix (1999)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]

```



```

scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie20)

```

#Movie21

```

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

movie21 <- data.frame()

for (page in 3:7) {
  link21 <- paste0("https://www.imdb.com/title/tt11762114/reviews?ref_=tt_urv", page)
  session21 <- bow(link21, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session21) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Mean Girls (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

  movie21 <- rbind(movie21, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,

```

```

    date = scrapedDate,
    ratings = scrapedRating
  ))
}

#View(movie21)

#Movie22

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

movie22 <- data.frame()

for (page in 3:7) {
  link22 <- paste0("https://www.imdb.com/title/tt0110912/reviews?ref_=tt_urv", page)
  session22 <- bow(link22, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session22) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Pulp Fiction (1994)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie22)

#movie23

```

```

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

movie23 <- data.frame()

for (page in 3:7) {
  link23 <- paste0("https://www.imdb.com/title/tt6751668/reviews?ref_=tt_urv", page)
  session23 <- bow(link23, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session23) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Parasite (2019))"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie23)

```

#movie24

```

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

movie24 <- data.frame()

for (page in 3:7) {
  link24 <- paste0("https://www.imdb.com/title/tt0044741/reviews?ref_=tt_urv", page)
  session24 <- bow(link24, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session24 ) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}

movieName <- "Ikiru (1952))"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ip1-ratings-bar")[1:10]

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

}

#View(movie24)

```

#movie25

```

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

movie25 <- data.frame()

for (page in 3:7) {
  link25 <- paste0("https://www.imdb.com/title/tt0088763/reviews?ref_=tt_urv", page)
  session25 <- bow(link25 , user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session25) %>%
      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("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
}

```

```

    scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

}

#View(movie25)

#movie26

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

movie26 <- data.frame()

for (page in 3:7) {
  link26 <- paste0("https://www.imdb.com/title/tt0167404/reviews?ref_=tt_urv", page)
  session26 <- bow(link26 , user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session26) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "The Sixth Sense (1999)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

  movie26 <- rbind(movie26, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

```
}
```

```
#View(movie26)
```

```
#movie27
```

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

```
movie27 <- data.frame()
```

```
for (page in 3:7) {
  link27 <- paste0("https://www.imdb.com/title/tt15239678/reviews?ref_=tt_urv", page)
  session27 <- bow(link27 , user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session27) %>%
      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("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]
```

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

```
}
```

```
#View(movie27)
```

```
#movie28
```

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

```

movie28 <- data.frame()

for (page in 3:7) {
  link28 <- paste0("https://www.imdb.com/title/tt14230458/reviews?ref_=tt_urv", page)
  session28 <- bow(link28, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session28) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Poor Things (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

#View(movie28)

```

#movie29

```

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

movie29 <- data.frame()

for (page in 3:7) {
  link29 <- paste0("https://www.imdb.com/title/tt15398776/reviews?ref_=tt_urv", page)
  session29 <- bow(link29, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session29) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Oppenheimer (I) (2023)"

```

```

scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

}

#View(movie29)

```

#movie30

```

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

movie30 <- data.frame()

for (page in 3:7) {
  link30 <- paste0("https://www.imdb.com/title/tt0047478/reviews?ref_=tt_urv", page)
  session30 <- bow(link30, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session30) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Seven Samurai (1954)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

  movie30 <- rbind(movie30, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,

```



```

    date = scrapedDate,
    ratings = scrapedRating
  ))
}

```

*#View(movie30)*

#movie31

```

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

movie31 <- data.frame()

for (page in 3:7) {
  link31 <- paste0("https://www.imdb.com/title/tt7160372/reviews?ref_=tt_urv", page)
  session31 <- bow(link31, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session31) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "The Zone of Interest (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

```

*#View(movie31)*

#movie32

```

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

movie32 <- data.frame()

for (page in 3:7) {
  link32 <- paste0("https://www.imdb.com/title/tt11097384/reviews?ref_=tt_urv", page)
  session32 <- bow(link32, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session32) %>%
      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("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsable div.ipl-ratings-bar")[1:10]

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

#View(movie32)

```

#movie33

```

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

movie33 <- data.frame()

for (page in 3:7) {
  link33 <- paste0("https://www.imdb.com/title/tt26861992/reviews?ref_=tt_urv", page)
  session33 <- bow(link33, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {

```

```

    scrape(session33) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

movieName <- "Mea Culpa (2024)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
scrapedDate <- scrapeNodes("span.review-date")[1:10]
scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

movie33 <- rbind(movie33, data.frame(
  movie_name = movieName,
  title = scrapedTitle,
  reviewer = scrapedReviewer,
  review = scrapedReview,
  date = scrapedDate,
  ratings = scrapedRating
))
}

#View(movie33)

```

#movie34

```

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

movie34 <- data.frame()

for (page in 3:7) {
  link34 <- paste0("https://www.imdb.com/title/tt0087182/reviews?ref_=tt_urv", page)
  session34 <- bow(link34, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session34) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Dune (1984)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]
}

```

```

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

}

#View(movie34)

#movie35

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

movie35 <- data.frame()

for (page in 3:7) {
  link35 <- paste0("https://www.imdb.com/title/tt14849194/reviews?ref_=tt_urv", page)
  session35 <- bow(link35, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session35) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "The Holdovers (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes(".display-name-link a")[1:10]
  scrapedReview <- scrapeNodes("span.spoiler-warning, div.content:nth-of-type(3) div.text")[1:10]
  scrapedDate <- scrapeNodes("span.review-date")[1:10]
  scrapedRating <- scrapeNodes(".collapsible div.ipl-ratings-bar")[1:10]

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

}

#View(movie35)

#Movie 36

```

```

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

movie36 <- data.frame()

for (page in 3:7) {
  link36 <- paste0("https://www.imdb.com/title/tt17351924/reviews?ref_=tt_urv", page)
  session36 <- bow(link36, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session36) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Saltburn (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

#View(movie36)

```

#Movie 37

```

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/tt21192142/reviews?ref_=tt_urv", page)
  session37 <- bow(link37, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session37) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}

MovieName <- "All of Us Strangers (2023)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

}

#View(movie37)

```

#movie38

```

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/tt1563738/reviews?ref_=tt_urv", page)
  session38 <- bow(link38, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session38) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "One Day (2011)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]
}

```

```

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

}

```

*#View(movie38)*

#movie39

```

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/tt6259380/reviews?ref_=tt_urv", page)
  session39 <- bow(link39, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session39) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Code 8 (2019)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsible:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

}

```

```
#View(movie39)
```

```
#movie40
```

```
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/tt19356262/reviews?ref_=tt_urv", page)
  session40 <- bow(link40, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session40) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Drive-Away Dolls (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

```
#View(movie40)
```

```
#movie41
```

```
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/tt17009710/reviews?ref_=tt_urv", page)
  session41 <- bow(link41, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session41) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  movieName <- "Anatomy of a Fall (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable.review-container:nth-of-type(n+2) div.text, div:nth-of-")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.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)*

#movie42

```

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/tt9663764/reviews?ref_=tt_urv", page)
  session42 <- bow(link42, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session42) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Aquaman and the Lost Kingdom (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")

```

```

scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

}

#View(movie42)

```

#movie43

```

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/tt21188080/reviews?ref_=tt_urv", page)
  session43 <- bow(link43, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session43) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Lisa Frankenstein (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsible:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

```

```

))

}

#View(movie43)

#movie44

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/tt8521778/reviews?ref_=tt_urv", page)
  session44 <- bow(link44, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session44) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Bob Marley: One Love (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsible:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

  movie44 <- rbind(movie44, data.frame(
    movie_name = movieName,
    title = scrapedTitle,
    reviewer = scrapedReviewer,
    review = scrapedReview,
    date = scrapedDate,
    ratings = scrapedRating
  ))

}

#View(movie44)

#movie45

```

```

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/tt21064584/reviews?ref_=tt_urv", page)
  session45 <- bow(link45, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session45) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "The Iron Claw (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsible:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

#View(movie45)

```

#movie46

```

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/tt5537002/reviews?ref_=tt_urv", page)
  session46 <- bow(link46, user_agent = "Educational Purpose")

```

```

scrapeNodes <- function(selector) {
  scrape(session46) %>%
    html_nodes(selector) %>%
    html_text(trim = TRUE)
}

MovieName <- "Killers of the Flower Moon (2023)"
scrapedTitle <- scrapeNodes("a.title")[1:10]
scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

}

```

*#View(movie46)*

#movie47

```

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/tt15314262/reviews?ref_=tt_urv", page)
  session47 <- bow(link47, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session47) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "The Beekeeper (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
}

```

```

    scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

}

#View(movie47)

```

#movie48

```

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/tt23561236/reviews?ref_=tt_urv", page)
  session48 <- bow(link48, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session48) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "American Fiction (2023)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s")
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]

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

```

```
}
```

```
#View(movie48)
```

```
#movie49
```

```
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/tt15009428/reviews?ref_=tt_urv", page)
  session49 <- bow(link49, user_agent = "Educational Purpose")
```

```
  scrapeNodes <- function(selector) {
    scrape(session49) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }
```

```
  MovieName <- "Argylle (2024)"
```

```
  scrapedTitle <- scrapeNodes("a.title")[1:10]
```

```
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
```

```
  scrapedReview <- scrapeNodes("div.collapsable:nth-of-type(n+2) div.text, div:nth-of-type(n+15) span.s
```

```
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
```

```
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[1:10]
```

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

```
}
```

```
#View(movie49)
```

```
#movie50
```

```
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/tt8310486/reviews?ref_=tt_urv", page)
  session50 <- bow(link50, user_agent = "Educational Purpose")

  scrapeNodes <- function(selector) {
    scrape(session50) %>%
      html_nodes(selector) %>%
      html_text(trim = TRUE)
  }

  MovieName <- "Miller's Girl (2024)"
  scrapedTitle <- scrapeNodes("a.title")[1:10]
  scrapedReviewer <- scrapeNodes("div.display-name-date:nth-of-type(2) a")[1:10]
  scrapedReview <- scrapeNodes("div.collapsible:nth-of-type(n+11) div.text")[1:10]
  scrapedDate <- scrapeNodes("div.display-name-date:nth-of-type(2) span.review-date")[1:10]
  scrapedRating <- scrapeNodes("div.ipl-ratings-bar")[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()
col_names <- c("Movie Title", "Review Title", "Reviewer", "Review", "Date", "Ratings")
for (i in 1:50) {
  assign(paste0("movie", i), `colnames<-`(get(paste0("movie", i)), col_names))
  all_movies <- rbind(all_movies, get(paste0("movie", i)))
}
View(all_movies)
tail(all_movies)

```

```

##           Movie Title
## 2495 Miller's Girl (2024)
## 2496 Miller's Girl (2024)
## 2497 Miller's Girl (2024)
## 2498 Miller's Girl (2024)
## 2499 Miller's Girl (2024)
## 2500 Miller's Girl (2024)
##
##                                     Review Title
## 2495                               Disappointing and vacuous.

```



```

## 2496                                     Disappointed
## 2497                                     trying so hard
## 2498                                     A pretty good film when reflected a bit upon it
## 2499 Expected influenced by the 80's erotic thrillers new interpretation, got something else
## 2500                                     The Struggle
##      Reviewer
## 2495      rxzgt
## 2496      quolzski
## 2497 SnoopyStyle
## 2498      vmagrigjr
## 2499      gvlchev
## 2500      Tatrix
##
## 2495
## 2496
## 2497 No pun intended - I watched this at a sneak preview. So it was a surprise movie - and I didn't c
## 2498
## 2499
## 2500
##      Date Ratings
## 2495 29 January 2024    3/10
## 2496  3 February 2024    1/10
## 2497 26 February 2024    5/10
## 2498  5 February 2024    7/10
## 2499  5 February 2024    5/10
## 2500 17 February 2024    8/10

```

```
write.csv(all_movies, file= "AllMovies.csv",)
```