Assignment 3 - CT5102 Using lapply to process data

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The First step is to include the library repurrsive, which should be installed from CRAN.

```
library(repurrrsive)
#View(sw_films)
```

Next, write a function that returns the list of movie directors.

: chr "2002-05-16"

##

..\$ Date

\$:List of 5

```
get_directors <- function(){
  unique(unlist(lapply(sw_films, function(x)x$director)))
}
dirs <- get_directors()
dirs</pre>
```

```
## [1] "George Lucas" "Richard Marquand" "Irvin Kershner" "J. J. Abrams"
```

Next, write a function that returns the following information for a specific set of movies (or movie) associated with a director.

```
## List of 4
## $ :List of 5
    ..$ Director: chr "George Lucas"
##
     ..$ Title : chr "A New Hope"
##
     ..$ Episode : int 4
##
     ..$ Opening : chr "It is a period of civil war.\r\nRebel spaceships, striking\r\nfrom a hidden bas
##
    ..$ Date
                 : chr "1977-05-25"
## $ :List of 5
    ..$ Director: chr "George Lucas"
##
    ..$ Title : chr "Attack of the Clones"
##
    ..$ Episode : int 2
     ..$ Opening : chr "There is unrest in the Galactic\r\nSenate. Several thousand solar\r\nsystems ha
##
```

```
..$ Director: chr "George Lucas"
##
     ..$ Title : chr "The Phantom Menace"
##
     ..$ Episode : int 1
##
      .. \$ \ \texttt{Opening: chr "Turmoil has engulfed the \r \n Galactic Republic. The taxation \r \nof trade routes republic.} \\
     ..$ Date : chr "1999-05-19"
##
## $ :List of 5
    ..$ Director: chr "George Lucas"
     ..$ Title : chr "Revenge of the Sith"
##
     ..$ Episode : int 3
     ..\$ Opening : chr "War! The Republic is crumbling\r\nunder attacks by the ruthless\r\nSith Lord, C
##
     ..$ Date : chr "2005-05-19"
```