

Dataset Information

Data on Movies from IMDB (Includes Some Television as Well). Movie IDs to help gather much of this data come from one or two Kaggle projects. There is a workflow from original cobbled together spreadsheets to the final product with 27 variables and over 5000 observations. Content based Filtering

Import Modules

```
import pandas as pd
import numpy as np
import re
import nltk
pd.set_option('display.max_columns', None)

df = pd.read_csv("IMDB_Top250Engmovies2_OMDB_Detailed.csv")
df.head()
```

Unnamed: 0		Title	Year	Rated	Released
0	1	The Shawshank Redemption	1994	R	14-Oct-94
1	2	The Godfather	1972	R	24-Mar-72
2	3	The Godfather: Part II	1974	R	20-Dec-74
3	4	The Dark Knight	2008	PG-13	18-Jul-08
4	5	12 Angry Men	1957	APPROVED	1-Apr-57

	Genre	Director
0	Crime, Drama	Frank Darabont
1	Crime, Drama	Francis Ford Coppola
2	Crime, Drama	Francis Ford Coppola
3	Action, Crime, Drama	Christopher Nolan
4	Crime, Drama	Sidney Lumet

	Writer
0	Stephen King (short story "Rita Hayworth and S...
1	Mario Puzo (screenplay), Francis Ford Coppola ...
2	Francis Ford Coppola (screenplay), Mario Puzo ...
3	Jonathan Nolan (screenplay), Christopher Nolan...
4	Reginald Rose (story), Reginald Rose (screenplay)

	Actors
0	Tim Robbins, Morgan Freeman, Bob Gunton, Willi...
1	Marlon Brando, Al Pacino, James Caan, Richard ...
2	Al Pacino, Robert Duvall, Diane Keaton, Robert...

3 Christian Bale, Heath Ledger, Aaron Eckhart, M...
4 Martin Balsam, John Fiedler, Lee J. Cobb, E.G....

Plot \

0 Two imprisoned men bond over a number of years...
1 The aging patriarch of an organized crime dyna...
2 The early life and career of Vito Corleone in ...
3 When the menace known as the Joker emerges fro...
4 A jury holdout attempts to prevent a miscarria...

Language Country \

0 English USA
1 English, Italian, Latin USA
2 English, Italian, Spanish, Latin, Sicilian USA
3 English, Mandarin USA, UK
4 English USA

Awards \

0 Nominated for 7 Oscars. Another 19 wins & 30 n...
1 Won 3 Oscars. Another 23 wins & 27 nominations.
2 Won 6 Oscars. Another 10 wins & 20 nominations.
3 Won 2 Oscars. Another 151 wins & 153 nominations.
4 Nominated for 3 Oscars. Another 16 wins & 8 no...

Poster

Ratings.Source \

0 <https://images-na.ssl-images-amazon.com/images...> Internet Movie Database
1 <https://images-na.ssl-images-amazon.com/images...> Internet Movie Database
2 <https://images-na.ssl-images-amazon.com/images...> Internet Movie Database
3 <https://images-na.ssl-images-amazon.com/images...> Internet Movie Database
4 <https://images-na.ssl-images-amazon.com/images...> Internet Movie Database

	Ratings.Value	Metascore	imdbRating	imdbVotes	imdbID	Type	\
0	9.3/10	80.0	9.3	1,825,626	tt0111161	movie	
1	9.2/10	100.0	9.2	1,243,444	tt0068646	movie	
2	9.0/10	85.0	9.0	856,870	tt0071562	movie	
3	9.0/10	82.0	9.0	1,802,351	tt0468569	movie	
4	8.9/10	96.0	8.9	494,215	tt0050083	movie	

	tomatoMeter	tomatoImage	tomatoRating	tomatoReviews	tomatoFresh	\
0	NaN	NaN	NaN	NaN	NaN	
1	NaN	NaN	NaN	NaN	NaN	

2	NaN	NaN	NaN	NaN	NaN
3	NaN	NaN	NaN	NaN	NaN
4	NaN	NaN	NaN	NaN	NaN

	tomatoRotten	tomatoConsensus	tomatoUserMeter	tomatoUserRating	\
0	NaN	NaN	NaN	NaN	
1	NaN	NaN	NaN	NaN	
2	NaN	NaN	NaN	NaN	
3	NaN	NaN	NaN	NaN	
4	NaN	NaN	NaN	NaN	

```

tomatoUserReviews
tomatoURL \
0      NaN
http://www.rottentomatoes.com/m/shawshank_rede...
1      NaN
http://www.rottentomatoes.com/m/godfather/
2      NaN
http://www.rottentomatoes.com/m/godfather_part...
3      NaN
http://www.rottentomatoes.com/m/the_dark_knight/
4      NaN http://www.rottentomatoes.com/m/1000013-
12_ang...

```

	DVD	BoxOffice	Production	\
0	27-Jan-98	NaN	Columbia Pictures	
1	9-Oct-01	NaN	Paramount Pictures	
2	24-May-05	NaN	Paramount Pictures	
3	9-Dec-08	\$533,316,061	Warner Bros. Pictures/Legendary	
4	6-Mar-01	NaN	Criterion Collection	

	Website	Response
0	NaN	True
1	http://www.thegodfather.com	True
2	http://www.thegodfather.com/	True
3	http://thedarkknight.warnerbros.com/	True
4	http://www.criterion.com/films/27871-12-angry-men	True

```
len(df)
```

```
250
```

```
df['Plot'][0]
```

```
'Two imprisoned men bond over a number of years, finding solace and
eventual redemption through acts of common decency.'
```

Data Preprocessing

```
# convert lowercase and remove numbers, punctuations, spaces, etc.,
df['clean_plot'] = df['Plot'].str.lower()
df['clean_plot'] = df['clean_plot'].apply(lambda x: re.sub('[^a-zA-Z]', ' ', x))
df['clean_plot'] = df['clean_plot'].apply(lambda x: re.sub('\s+', ' ', x))
df['clean_plot']
```

```
0      two imprisoned men bond over a number of years...
1      the aging patriarch of an organized crime dyna...
2      the early life and career of vito corleone in ...
3      when the menace known as the joker emerges fro...
4      a jury holdout attempts to prevent a miscarria...
...
245     the desperate life of a chronic alcoholic is f...
246     a something supervising staff member of a resi...
247     a newspaper editor uses every trick in the boo...
248     an old man makes a long journey by lawn mover ...
249     a mumbai teen reflects on his upbringing in th...
Name: clean_plot, Length: 250, dtype: object
```

```
# tokenize the sentence
df['clean_plot'] = df['clean_plot'].apply(lambda x: x.split(" "))
df['clean_plot']
```

```
0      [two, imprisoned, men, bond, over, a, number, ...
1      [the, aging, patriarch, of, an, organized, cri...
2      [the, early, life, and, career, of, vito, corl...
3      [when, the, menace, known, as, the, joker, eme...
4      [a, jury, holdout, attempts, to, prevent, a, m...
...
245     [the, desperate, life, of, a, chronic, alcohol...
246     [a, something, supervising, staff, member, of,...
247     [a, newspaper, editor, uses, every, trick, in,...
248     [an, old, man, makes, a, long, journey, by, la...
249     [a, mumbai, teen, reflects, on, his, upbringin...
Name: clean_plot, Length: 250, dtype: object
```

```
nltk.download('stopwords')
```

```
[nltk_data] Error loading stopwords: <urlopen error [Errno 11001]
[nltk_data]      getaddrinfo failed>
```

```
False
```

```
# remove stopwords
stop_words = nltk.corpus.stopwords.words('english')
plot = []
for sentence in df['clean_plot']:
```

```
temp = []
for word in sentence:
    if word not in stop_words and len(word) >= 3:
        temp.append(word)
plot.append(temp)
plot

[['two',
'imprisoned',
'men',
'bond',
'number',
'years',
'finding',
'solace',
'eventual',
'redemption',
'acts',
'common',
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 'american',  
 'general',  
 'george',  
 'patton'],  
['desperate',  
 'life',  
 'chronic',  
 'alcoholic',  
 'followed',  
 'four',  
 'day',  
 'drinking',  
 'bout'],  
['something',  
 'supervising',  
 'staff',  
 'member',  
 'residential',  
 'treatment',  
 'facility',  
 'navigates',
```

```

'troubled',
'waters',
'world',
'alongside',
'worker',
'longtime',
'boyfriend'],
['newspaper',
'editor',
'uses',
'every',
'trick',
'book',
'keep',
'ace',
'reporter',
'wife',
'remarrying'],
['old',
'man',
'makes',
'long',
'journey',
'lawn',
'mover',
'tractor',
'mend',
'relationship',
'ill',
'brother'],
['mumbai',
'teen',
'reflects',
'upbringing',
'slums',
'accused',
'cheating',
'indian',
'version',
'wants',
'millionaire']]

df['clean_plot'] = plot
df['clean_plot']

0      [two, imprisoned, men, bond, number, years, fi...
1      [aging, patriarch, organized, crime, dynasty, ...
2      [early, life, career, vito, corleone, new, yor...
3      [menace, known, joker, emerges, mysterious, pa...
```

```

4      [jury, holdout, attempts, prevent, miscarriage...
      ...
245    [desperate, life, chronic, alcoholic, followed...
246    [something, supervising, staff, member, reside...
247    [newspaper, editor, uses, every, trick, book, ...
248    [old, man, makes, long, journey, lawn, mover, ...
249    [mumbai, teen, reflects, upbringing, slums, ac...
Name: clean_plot, Length: 250, dtype: object

```

```
df.head()
```

	Unnamed: 0	Title	Year	Rated	Released
Runtime \					
0	1	The Shawshank Redemption	1994	R	14-Oct-94
142 min					
1	2	The Godfather	1972	R	24-Mar-72
175 min					
2	3	The Godfather: Part II	1974	R	20-Dec-74
202 min					
3	4	The Dark Knight	2008	PG-13	18-Jul-08
152 min					
4	5	12 Angry Men	1957	APPROVED	1-Apr-57
96 min					

	Genre	Director \
0	Crime, Drama	Frank Darabont
1	Crime, Drama	Francis Ford Coppola
2	Crime, Drama	Francis Ford Coppola
3	Action, Crime, Drama	Christopher Nolan
4	Crime, Drama	Sidney Lumet

	Writer \
0	Stephen King (short story "Rita Hayworth and S...
1	Mario Puzo (screenplay), Francis Ford Coppola ...
2	Francis Ford Coppola (screenplay), Mario Puzo ...
3	Jonathan Nolan (screenplay), Christopher Nolan...
4	Reginald Rose (story), Reginald Rose (screenplay)

	Actors \
0	Tim Robbins, Morgan Freeman, Bob Gunton, Willi...
1	Marlon Brando, Al Pacino, James Caan, Richard ...
2	Al Pacino, Robert Duvall, Diane Keaton, Robert...
3	Christian Bale, Heath Ledger, Aaron Eckhart, M...
4	Martin Balsam, John Fiedler, Lee J. Cobb, E.G....

	Plot \
0	Two imprisoned men bond over a number of years...
1	The aging patriarch of an organized crime dyna...
2	The early life and career of Vito Corleone in ...
3	When the menace known as the Joker emerges fro...

4 A jury holdout attempts to prevent a miscarria...

	Language	Country	\
0	English	USA	
1	English, Italian, Latin	USA	
2	English, Italian, Spanish, Latin, Sicilian	USA	
3	English, Mandarin	USA, UK	
4	English	USA	

	Awards	\
0	Nominated for 7 Oscars. Another 19 wins & 30 n...	
1	Won 3 Oscars. Another 23 wins & 27 nominations.	
2	Won 6 Oscars. Another 10 wins & 20 nominations.	
3	Won 2 Oscars. Another 151 wins & 153 nominations.	
4	Nominated for 3 Oscars. Another 16 wins & 8 no...	

	Poster
Ratings.Source	\
0	https://images-na.ssl-images-amazon.com/images... Internet Movie Database
1	https://images-na.ssl-images-amazon.com/images... Internet Movie Database
2	https://images-na.ssl-images-amazon.com/images... Internet Movie Database
3	https://images-na.ssl-images-amazon.com/images... Internet Movie Database
4	https://images-na.ssl-images-amazon.com/images... Internet Movie Database

	Ratings.Value	Metascore	imdbRating	imdbVotes	imdbID	Type	\
0	9.3/10	80.0	9.3	1,825,626	tt0111161	movie	
1	9.2/10	100.0	9.2	1,243,444	tt0068646	movie	
2	9.0/10	85.0	9.0	856,870	tt0071562	movie	
3	9.0/10	82.0	9.0	1,802,351	tt0468569	movie	
4	8.9/10	96.0	8.9	494,215	tt0050083	movie	

	tomatoMeter	tomatoImage	tomatoRating	tomatoReviews	tomatoFresh
\					
0	NaN	NaN	NaN	NaN	NaN
1	NaN	NaN	NaN	NaN	NaN
2	NaN	NaN	NaN	NaN	NaN
3	NaN	NaN	NaN	NaN	NaN
4	NaN	NaN	NaN	NaN	NaN

tomatoRotten	tomatoConsensus	tomatoUserMeter	tomatoUserRating	\
--------------	-----------------	-----------------	------------------	---

0	NaN	NaN	NaN	NaN
1	NaN	NaN	NaN	NaN
2	NaN	NaN	NaN	NaN
3	NaN	NaN	NaN	NaN
4	NaN	NaN	NaN	NaN

tomatoUserReviews

tomatoURL \

0	NaN
http://www.rottentomatoes.com/m/shawshank_rede...	
1	NaN
http://www.rottentomatoes.com/m/godfather/	
2	NaN
http://www.rottentomatoes.com/m/godfather_part...	
3	NaN
http://www.rottentomatoes.com/m/the_dark_knight/	
4	NaN
http://www.rottentomatoes.com/m/1000013-12_ang...	

	DVD	BoxOffice	Production \
0	27-Jan-98	NaN	Columbia Pictures
1	9-Oct-01	NaN	Paramount Pictures
2	24-May-05	NaN	Paramount Pictures
3	9-Dec-08	\$533,316,061	Warner Bros. Pictures/Legendary
4	6-Mar-01	NaN	Criterion Collection

	Website	Response \
0	NaN	True
1	http://www.thegodfather.com	True
2	http://www.thegodfather.com/	True
3	http://thedarkknight.warnerbros.com/	True
4	http://www.criterion.com/films/27871-12-angry-men	True

	clean_plot
0	[two, imprisoned, men, bond, number, years, fi...
1	[aging, patriarch, organized, crime, dynasty, ...
2	[early, life, career, vito, corleone, new, yor...
3	[menace, known, joker, emerges, mysterious, pa...
4	[jury, holdout, attempts, prevent, miscarriage...

```
df['Genre'] = df['Genre'].apply(lambda x: x.split(','))
df['Actors'] = df['Actors'].apply(lambda x: x.split(',')[:4])
df['Director'] = df['Director'].apply(lambda x: x.split(','))
```

```
df['Genre'][0]
```

```
['Crime', ' Drama']
```

```
def clean(sentence):
    temp = []
    for word in sentence:
```

```

        temp.append(word.lower().replace(' ', ''))
    return temp

df['Genre'] = [clean(x) for x in df['Genre']]
df['Actors'] = [clean(x) for x in df['Actors']]
df['Director'] = [clean(x) for x in df['Director']]

df['Actors'][0]

['timrobbins', 'morganfreeman', 'bobgunton', 'williamsadler']

df["Genre"]
0          [crime, drama]
1          [crime, drama]
2          [crime, drama]
3    [action, crime, drama]
4          [crime, drama]
...
245        [drama, film-noir]
246                [drama]
247    [comedy, drama, romance]
248        [biography, drama]
249                [drama]
Name: Genre, Length: 250, dtype: object

# combining all the columns data
columns = ['clean_plot', 'Genre', 'Actors', 'Director']
l = []
for i in range(len(df)):
    words = ''
    for col in columns:
        words += ' '.join(df[col][i]) + ' '
    l.append(words)
l

['two imprisoned men bond number years finding solace eventual
redemption acts common decency crime drama timrobbins morganfreeman
bobgunton williamsadler frankdarabont ',
'aging patriarch organized crime dynasty transfers control
clandestine empire reluctant son crime drama marlonbrando alpacino
jamescaan richards.castellano francisfordcoppola ',
'early life career vito corleone new york portrayed son michael
expands tightens grip family crime syndicate crime drama alpacino
robertduvall dianekeaton robertdeniro francisfordcoppola ',
'menace known joker emerges mysterious past wreaks havoc chaos people
gotham dark knight must accept one greatest psychological physical
tests ability fight injustice action crime drama christianbale
heathledger aaroneckhart michaelcaine christophernolan ',
'jury holdout attempts prevent miscarriage justice forcing colleagues
reconsider evidence crime drama martinbalsam johnfiedler leej.cobb']

```

e.g.marshall sidneylumet ',
'german occupied poland world war oskar schindler gradually becomes
concerned jewish workforce witnessing persecution nazi germans
biography drama history liamneeson benkingsley ralphfiennes
carolinegoodall stevenspielberg ',
'gandalf aragorn lead world men sauron army draw gaze frodo sam
approach mount doom one ring adventure drama fantasy noelappleby
aliastin seanastin davidaston peterjackson ',
'lives two mob hit men boxer gangster wife pair diner bandits
intertwine four tales violence redemption crime drama timroth
amandaplummer lauralovelace johntravolta quentintarantino ',
'insomniac office worker looking way change life crosses paths devil
may care soap maker forming underground fight club evolves something
much much drama edwardnorton bradpitt meatloaf zachgrenier
davidfincher ',
'meek hobbit shire eight companions set journey destroy powerful one
ring save middle earth dark lord sauron adventure drama fantasy
alanhoward noelappleby seanastin salabaker peterjackson ',
'intelligent forrest gump accidentally present many historic moments
true love jenny curran eludes comedy drama romance tomhanks
rebeccawilliams sallyfield michaelconnerhumphreys robertzemeckis ',
'rebels overpowered empire newly established base luke skywalker
begins jedi training master yoda friends accept shelter questionable
ally darth vader hunts plan capture luke action adventure fantasy
markhamill harrisonford carriefisher billydeewilliams irvinkershner ',
'thief steals corporate secrets use dream sharing technology given
inverse task planting idea mind ceo action adventure sci-fi
leonardodicaprio josephgordon-levitt ellenpage tomhardy
christophernolan ',
'frodo sam edge closer mordor help shifty gollum divided fellowship
makes stand sauron new ally saruman hordes isengard adventure drama
fantasy bruceallpress seanastin johnbach salabaker peterjackson ',
'criminal pleads insanity getting trouble mental institution rebels
oppressive nurse rallies scared patients drama michaelberryman
peterbrocco deanr.brooks alonzobrown milosforman ',
'story henry hill life teen years years mafia covering relationship
wife karen hill mob partners jimmy conway tommy devitto italian
american crime syndicate crime drama robertdeniro rayliotta joeesci
lorrainebracco martinscorsese ',
'computer hacker learns mysterious rebels true nature reality role
war controllers action sci-fi keanureeves laurencefishburne carrie-
annemoss hugoweaving lanawachowski lillywachowski ',
'luke skywalker joins forces jedi knight cocky pilot wookiee two
droids save galaxy empire world destroying battle station also
attempting rescue princess leia evil darth vader action adventure
fantasy markhamill harrisonford carriefisher petercushing georgelucas
'
'two detectives rookie veteran hunt serial killer uses seven deadly
sins motives crime drama mystery morganfreeman andrewkevinwalker

kevinspacey danielzacapa davidfincher ',
'angel sent heaven help desperately frustrated businessman showing
life would like never existed drama family fantasy jamesstewart
donnareed lionelbarrymore thomasmitchell frankcapra ',
'young cadet must confide incarcerated manipulative killer receive
help catching another serial killer skins victims crime drama thriller
jodiefoster lawrencea.bonney kasilemmons lawrencet.wrentz
jonathandemme ',
'sole survivor tells twisty events leading horrific gun battle boat
began five criminals met seemingly random police lineup crime drama
mystery stephenbaldwin gabrielbyrne beniciodeltoro kevinpollak
bryansinger ',
'mathilda year old girl reluctantly taken professional assassin
family murdered mathilda form unusual relationship becomes prot learns
assassin trade crime drama thriller jeanreno garyoldman natalieportman
dannyaaiello lucbesson ',
'following normandy landings group soldiers behind enemy lines
retrieve paratrooper whose brothers killed action drama war tomhanks
tomsizemore edwardburns barrypepper stevenspielberg ',
'aid wealthy erratic tippler dewy eyed tramp fallen love sightless
flower girl accumulates money able help medically comedy drama romance
virginiacherrill florencelee harrymyers alernestgarcia charleschaplin
'
'team explorers travel wormhole space attempt ensure humanity
survival adventure drama sci-fi ellenburstyn matthewmcconaughey
mackenziefoy johnlithgow christophernolan ',
"former neo nazi skinhead tries prevent younger brother going wrong
path crime drama edwardnorton edwardfurlong beverlyd'angelo
jenniferlien tonykaye ",
'tramp struggles live modern industrial society help young homeless
woman comedy drama family charleschaplin paulettegoddard henrybergman
tinysandford charleschaplin ',
'casablanca december cynical american expatriate encounters former
lover unforeseen complications drama romance war humphreybogart
ingridbergman paulhenreid clauderains michaelcurtiz ',
'lives guards death row affected one charges black man accused child
murder rape yet mysterious gift crime drama fantasy tomhanks
davidmorse michaelclarkeduncan bonniehunt frankdarabont ',
'phoenix secretary embezzles employer client goes run checks remote
motel run young man domination mother horror mystery thriller
anthonyperkins veramiles johngavin janetleight alfredhitchcock ',
'archaeologist adventurer indiana jones hired government find ark
covenant nazis action adventure harrisonford karenallen paulfreeman
ronaldlacey stevenspielberg ',
'polish jewish musician struggles survive destruction warsaw ghetto
world war biography drama music adrienbrody emiliafox michalzebrowski
edstoppard romanpolanski ',
'wheelchair bound photographer spies neighbours apartment window
becomes convinced one committed murder mystery thriller jamesstewart

gracekelly wendellcorey thelmaritter alfredhitchcock ',
'undercover cop mole police attempt identify infiltrating irish gang
south boston crime drama thriller leonardodicaprio mattdamon
jacknicholson markwahlberg martinscorsese ',
'promising young drummer enrolls cut throat music conservatory dreams
greatness mentored instructor stop nothing realize student potential
drama music milesteller j.k.simmons paulreiser melissabenoist
damienchazelle ',
'cyborg identical one failed kill sarah connor must protect ten year
old son john connor advanced cyborg action sci-fi thriller
arnoldschwarzenegger lindahamilton edwardfurlong robertpatrick
jamescameron ',
'marty mcfly year old high school student accidentally sent years
past time traveling delorean invented close friend maverick scientist
doc brown adventure comedy sci-fi michaelj.fox christopherlloyd
leathompson crispinglover robertzemeckis ',
'roman general betrayed family murdered emperor corrupt son comes
rome gladiator seek revenge action adventure drama russellcrowe
joaquinphoenix connienielsen oliverreed ridleyscott ',
'lion cub future king simba searches identity eagerness please others
penchant testing boundaries sometimes gets trouble animation adventure
drama rowanatkinson matthewbroderick niketacalame jimcummings
rogerallers robminkoff ',
'two stage magicians engage competitive one upmanship attempt create
ultimate stage illusion drama mystery sci-fi hughjackman christianbale
michaelcaine piperperabo christophernolan ',
'vietnam war captain willard sent dangerous mission cambodia
assassinate renegade colonel set god among local tribe drama war
marlonbrando martinssheen robertduvall fredericforrest
francisfordcoppola ',
'man juggles searching wife murderer keeping short term memory loss
obstacle mystery thriller guypearce carrie-annemoss joepantoliano
markboonejunior christophernolan ',
'dictator adenoid hynkel tries expand empire poor jewish barber tries
avoid persecution hynkel regime comedy drama war charleschaplin
jackoakie reginaldgardiner henrydaniell charleschaplin ',
'screenwriter hired rework faded silent film star script find
developing dangerous relationship drama film-noir williamholden
gloriaswanson erichvonstroheim nancyolson billywilder ',
'space merchant vessel perceives unknown transmission distress call
landing source moon finds one crew attacked mysterious life form soon
realize life cycle merely begun horror sci-fi tomskerritt
sigourneyweaver veronicacartwright harrydeanstanton ridleyscott ',
'insane general triggers path nuclear holocaust war room full
politicians generals frantically try stop comedy petersellers
georgec.scott sterlinghayden keenanwynn stanleykubrick ',
'refusing attack enemy position general accuses soldiers cowardice
commanding officer must defend drama war kirkdouglas ralphmeeker
adolphenjou georgemacready stanleykubrick ',

'help german bounty hunter freed slave sets rescue wife brutal mississippi plantation owner drama western jamiefoxx christophwaltz leonardodicaprio kerrywashington quentintarantino ',

'family heads isolated hotel winter evil spiritual presence influences father violence psychic son sees horrific forebodings past future drama horror jacknicholson shelleyduvall dannyloyd scatmancrothers stanleykubrick ',

'veteran british barrister must defend client murder trial surprise surprise crime drama mystery tyronepower marlenedietrich charleslaughton elsalanchester billywilder ',

'eight years joker reign anarchy dark knight help enigmatic selina forced imposed exile save gotham city edge total annihilation brutal guerrilla terrorist bane action thriller christianbale garyoldman tomhardy josephgordon-levitt christophernolan ',

'distant future small waste collecting robot inadvertently embarks space journey ultimately decide fate mankind animation adventure family benburtt elissaknight jeffgarlin fredwillard andrewstanton ',

'sexually frustrated suburban father mid life crisis becoming infatuated daughter best friend drama romance kevinspacey annettebening thorabirch wesbentley sammendes ',

'former prohibition era jewish gangster returns lower east side manhattan thirty years later must confront ghosts regrets old life crime drama robertdeniro jameswoods elizabethmcgovern joeesci sergioleone ',

'moon alien colonized contact lost time rescue team impressive firepower enough action adventure sci-fi sigourneyweaver carriehenn michaelbiehn paulreiser jamescameron ',

'following death publishing tycoon news reporters scramble discover meaning final utterance drama mystery josephcotten dorothycomingore agnesmoorehead ruthwarrick orsonwelles ',

'hapless new york advertising executive mistaken government agent group foreign spies pursued across country looks way survive action adventure mystery carygrant evamariesaint jamesmason jessieroycelandis alfredhitchcock ',

'san francisco detective suffering acrophobia investigates strange activities old friend wife becoming dangerously obsessed mystery romance thriller jamesstewart kimnovak barbarabelgeddes tomhelmore alfredhitchcock ',

'daring mission rescue han solo jabba hutt rebels dispatch endor destroy powerful death star meanwhile luke struggles help vader back dark side without falling emperor trap action adventure fantasy markhamill harrisonford carriefisher billydeewilliams richardmarquand ',

'secret bride executed assaulting english soldier tried rape sir william wallace begins revolt king edward england biography drama history jamesrobinson seanlawlor sandynelson jamescosmo melgibson ',

'simple jewelry heist goes terribly wrong surviving criminals begin suspect one police informant crime drama thriller harveykeitel timroth michaelmadsen chrispenn quentintarantino ',

'insurance representative lets talked murder insurance fraud scheme
arouses insurance investigator suspicions crime drama film-noir
fredmacmurray barbarastanwyck edwardg.robinson porterhall billywilder
,

'drug induced utopias four coney island people shattered addictions
run deep drama ellenburstyn jaredleto jenniferconnelly marlonwayans
darrenaronofsky ',

"story lawrence english officer successfully united led diverse often
warring arab tribes world war order fight turks adventure biography
drama petero'toole alecguinness anthonyquinn jackhawkins davidlean ",

'tramp cares abandoned child events put relationship jeopardy comedy
drama family carlmiller ednapurviance jackiecoogan charleschaplin
charleschaplin ',

'future britain alex delarge charismatic psycopath delinquent likes
practice crimes ultra violence gang jailed volunteers experimental
aversion therapy developed government effort solve society crime
problem goes according plan crime drama sci-fi malcolmmcdowell
patrickmagee michaelbates warrenclarke stanleykubrick ',

'incredible story wolfgang amadeus mozart told peer secret rival
antonio salieri confined insane asylum biography drama history
f.murrayabraham tomhulce elizabethberridge roydtrice milosforman ',

'atticus finch lawyer depression era south defends black man
undeserved rape charge children prejudice crime drama gregorypeck
johnmagna frankoverton rosemarymurphy robertmulligan ',

'relationship turns sour couple undergoes procedure erased memories
process loss discover begin drama romance sci-fi jimcarrey katewinslet
gerryrobertbyrne elijahwood michelgondry ',

"silent film production company cast make difficult transition sound
comedy musical romance genekelly donaldo'connor debbiereynolds
jeanhagen stanleydonen genekelly ",

'mentally unstable vietnam war veteran works night time taxi driver
new york city perceived decadence sleaze feeds urge violent action
attempting save preadolescent prostitute process crime drama
diahneabbott frankadu victorargo ginoardito martinscorsese ',

'chicago september young con man seeking revenge murdered partner
teams master big con win fortune criminal banker comedy crime drama
paulnewman robertredford robertshaw charlesdurning georgeroyhill ',

'toys mistakenly delivered day care center instead attic right andy
leaves college woody convince toys abandoned return home animation
adventure comedy tomhanks timallen joancusack nedbeatty leeunkrich ',

'humanity finds mysterious obviously artificial object buried beneath
lunar surface intelligent computer sets quest adventure sci-fi
keirdullea garylockwood williamsylvester danielrichter stanleykubrick
,

"pragmatic marine observes dehumanizing effects vietnam war fellow
recruits brutal boot camp training bloody street fighting hue drama
war matthewmodine adambaldwin vincentd'onofrio r.leeermey
stanleykubrick ",

'coerced working crime boss young getaway driver finds taking part

heist doomed fail action crime music anselelgort jonbernthal jonhamm
 eizagonzález edgarwright ',
 'cowboy doll profoundly threatened jealous new spaceman figure
 supplants top toy boy room animation adventure comedy tomhanks
 timallen donrickles jimvarney johnlasseter ',
 'nazi occupied france world war plan assassinate nazi leaders group
 jewish soldiers coincides theatre owner vengeful plans adventure drama
 war bradpitt mélanielaurent christophwaltz eliroth quentintarantino
 eliroth ',
 'unscrupulous boxing promoters violent bookmakers russian gangster
 incompetent amateur robbers supposedly jewish jewelers fight track
 priceless stolen diamond comedy crime beniciodeltoro dennisfarina
 vinniejones bradpitt guyritchie ',
 'man tries rise company letting executives use apartment trysts
 complications romance ensue comedy drama romance jacklemmon
 shirleymaclaine fredmacmurray raywalston billywilder ',
 'ingenue insinuates company established aging stage actress circle
 theater friends drama bettedavis annebaxter georgesanders celesteholm
 josephl.mankiewicz ',
 'king arthur knights embark low budget search grail encountering many
 silly obstacles adventure comedy fantasy grahamchapman johncleese
 ericidle terrygilliam terrygilliam terryjones ',
 'miami determined cuban immigrant takes drug cartel succumbs greed
 crime drama alpacino stevenbauer michellepfeiffer
 maryelizabethmastrantonio briandepalma ',
 'corruption grows three policemen one strait laced one brutal one
 sleazy investigate series murders brand justice crime drama mystery
 kevinpacey russellcrowe guypearce jamescromwell curtishanson ',
 'hunting janitor gift mathematics needs help psychologist find
 direction life drama mattdamon benaffleck stellanskarsgård johnmighton
 gusvansant ',
 'fred dobbs bob curtin two americans searching work mexico convince
 old prospector help mine gold sierra madre mountains adventure drama
 western humphreybogart walterhuston timholt brucebennett johnhuston ',
 'henry jones suddenly goes missing pursuing holy grail eminent
 archaeologist indiana jones must follow father footsteps stop nazis
 getting hands holy grail first action adventure fantasy harrisonford
 seanconnery denholmelliott alisondoody stevenspielberg ',
 'two male musicians witness mob hit flee state female band disguised
 women complications set comedy romance marilynmonroe tonycurtis
 jacklemmon georgeraft billywilder ',
 'training mentor batman begins fight free crime ridden gotham city
 corruption scarecrow league shadows cast upon action adventure
 christianbale michaelcaine liamneeson katieholmes christophernolan ',
 'seventy eight year old carl fredricksen travels paradise falls home
 equipped balloons inadvertently taking young stowaway animation
 adventure comedy edwardasner christopherplummer jordannagai
 bobbpeterson petedocter bobbpeterson ',
 'pulp novelist holly martins travels shadowy postwar vienna find

investigating mysterious death old friend harry lime film-noir mystery thriller josephcotten alidavalli orsonwelles trevorhoward carolreed ',
'retired old west gunslinger william munny reluctantly takes one last job help old partner young man drama western clinteastwood genehackman morganfreeman richardharris clinteastwood ',
'american court occupied germany tries four nazi judges war crimes drama war spencertracy burtlancaaster richardwidmark marlenedietrich stanleykramer ',
'emotionally self destructive boxer journey life violence temper leads top ring destroys life outside biography drama sport robertdeniro cathymoriarty joepesci frankvincent martinscorsese ',
'allied prisoners war plan several hundred number escape german camp world war adventure drama history stevemcqueen jamesgarner richardattenborough jamesdonald johnsturges ',
'group professional bank robbers start feel heat police unknowingly leave clue latest heist sides attempt find balance personal lives professional lives action crime drama alpacino robertdeniro valkilmer jonvoight michaelmann ',
'john mcclane officer nypd tries save wife holly gennaro several others taken hostage german terrorist hans gruber christmas party nakatomi plaza los angeles action thriller brucewillis bonniebedelia reginaldveljohnson paulgleason johnmctiernan ',
'prospector goes klondike search gold finds adventure comedy drama charleschaplin mackswain tommurray henrybergman charleschaplin ',
'private detective hired expose adulterer finds caught web deceit corruption murder drama mystery thriller jacknicholson fayedunaway johnhuston perrylopez romanpolanski ',
'prize fighter turned longshoreman struggles stand corrupt union bosses crime drama thriller marlonbrando karlmalden leej.cobb rodsteiger eliakazan ',
'naive man appointed fill vacancy united states senate plans promptly collide political corruption back comedy drama jeanarthur jamesstewart clauderains edwardarnold frankcapra ',
'union spies steal engineer beloved locomotive pursues single handedly straight enemy lines action adventure comedy busterkeaton marionmack glencavender jimfarley clydebruckman busterkeaton ',
'young riley uprooted midwest life moved san francisco emotions joy fear anger disgust sadness conflict best navigate new city house school animation adventure comedy amypoehler phyllissmith richardkind billhader petedocter ronniedelcarmen ',
'settling differences japanese pow camp commander british colonel operates oversee men construction railway bridge captors oblivious plan allies destroy adventure drama war williamholden alecguinness jackhawkins sessuehayakawa davidlean ',
'young boy raised within confines small shed drama brielarson jacobtremlay seanbridgers wendycrewson lennyabrahamson ',
'jazz pianist falls aspiring actress los angeles comedy drama music ryanosling emmastone amieeconn terrywalters damienchazelle ',
'near future weary logan cares ailing professor somewhere mexican

border however logan attempts hide world legacy upended young mutant arrives pursued dark forces action drama sci-fi hughjackman patrickstewart dafnekeen boydholbrook jamesmangold ',
'blade runner must pursue try terminate four replicants stole ship space returned earth find creator sci-fi thriller harrisonford rutgerhauer seanyoung edwardjamesolmos ridleyscott ',
'botched card game london triggers four friends thugs weed growers hard gangsters loan sharks debt collectors collide series unexpected events sake weed cash two antique shotguns comedy crime jasonfleming dexterfletcher nickmoran jasonstatham guyritchie ',
'greed deception money power murder occur two best friends mafia underboss casino owner trophy wife gambling empire crime drama robertdeniro sharonstone joepesci jameswoods martinscorsese ',
'john nash brilliant asocial mathematician accepts secret work cryptography life takes turn nightmarish biography drama russellcrowe edharris jenniferconnelly christopherplummer ronhoward ',
'victorian surgeon rescues heavily disfigured man mistreated scraping living side show freak behind monstrous facade revealed person intelligence sensitivity biography drama anthonyhopkins johnhurt annbancroft johngielgud davidlynch ',
'youngest son alcoholic former boxer returns home trained father competition mixed martial arts tournament path puts fighter collision course estranged older brother action drama sport joeledgerton tomhardy nicknolte jennifermorrison gavino'connor ",
'future british tyranny shadowy freedom fighter known alias plots overthrow help young woman action drama thriller natalieportman hugoweaving stephenrea stephenfry jamesmctigue ',
'based true story jordan belfort rise wealthy stock broker living high life fall involving crime corruption federal government biography comedy crime leonardodicaprio jonahhill margotrobbie matthewmccaughey martinscorsese ',
'tennis pro carries plot murder wife things wrong improvises brilliant plan crime film-noir thriller raymilland gracekelly robertcummings johnwilliams alfredhitchcock ',
'wwii american army medic desmond doss served battle okinawa refuses kill people becomes first man american history receive medal honor without firing shot biography drama history andrewgarfield richardpyros jacobwarner milogibson melgibson ',
'manipulative woman roguish man conduct turbulent romance american civil war reconstruction periods drama history romance thomasmitchell barbarao'neil vivienleigh evelynkeyes victorfleming georgecukor samwood ",
'century mohammed peace upon visited angel gabriel urges lead people mecca worship god exiled medina returning adventure biography drama anthonyquinn irenepapas michaelansara johnnysekka moustaphaakkad ',
'self conscious bride tormented memory husband dead first wife drama mystery romance laurenceolivier joanfontaine georgesanders judithanderson alfredhitchcock ',
'renton deeply immersed edinburgh drug scene tries clean get despite

allure drugs influence friends drama ewanmcgregor ewenbremner
jonnyleemiller kevinmckidd dannyboyle ',
'depth examination ways vietnam war impacts disrupts lives people
small industrial town pennsylvania drama war robertdeniro johncazale
johnsavage christopherwalken michaelcimino ',
'man refuses conform life rural prison crime drama paulnewman
georgekennedy j.d.cannon louantonio stuartrosenberg ',
'disgruntled korean war veteran walt kowalski sets reform neighbor
hmong teenager tried steal kowalski prized possession gran torino
drama clinteastwood christophercarley beevang ahneyher clinteastwood
,
'dude lebowski mistaken millionaire lebowski seeks restitution ruined
rug enlists bowling buddies help get comedy crime jeffbridges
johngoodman julianmoore stevebuscemi joelcoen ethancoen ',
'research facility antarctica comes across alien force become
anything touches accuracy members must find human late horror mystery
sci-fi kurtrussell wilfordbrimley t.k.carter davidclennon
johncarpenter ',
'spoiled heiress running away family helped man actually reporter
need story comedy romance clarkgable claudettecolbert walterconnolly
roscoekarns frankcapra ',
'jerry lundegaard inept crime falls apart due henchmen bungling
persistent police work quite pregnant marge gunderson crime drama
thriller williamh.macy stevebuscemi peterstormare kristinrudrüd
joelcoen ethancoen ',
'boy communicates spirits know dead seeks help disheartened child
psychologist drama mystery thriller brucewillis haleypoelosment
tonicollette oliviawilliams m.nightshyamalan ',
'son captured great barrier reef taken sydney timid clownfish sets
journey bring home animation adventure comedy albertbrooks
ellendegeneres alexandergould willemdafoe andrewstanton leeunkrich ',
'tale friendship two unlikely pen pals mary lonely eight year old
girl living suburbs melbourne max forty four year old severely obese
man living new york animation comedy drama tonicollette
philipseymourhoffman barryhumphries ericbana adamelliott ',
'violence mayhem ensue hunter stumbles upon drug deal gone wrong two
million dollars cash near rio grande crime drama thriller
tommyleejones javierbardem joshbrolin woodyharrelson ethancoen
joelcoen ',
'hapless young viking aspires hunt dragons becomes unlikely friend
young dragon learns may creatures assumed animation action adventure
jaybaruchel gerardbutler craigferguson americaferreira deandeblois
chrissanders ',
'story family religion hatred oil madness focusing turn century
prospector early days business drama history danielday-lewis
martinstringer matthewbradenstringer jacobstringer paulthomasanderson
,
'graduating emory university top student athlete christopher
mccandless abandons possessions gives entire savings account charity

hitchhikes alaska live wilderness along way christopher encounters
 series characters shape life adventure biography drama emilehirsch
 marciagayharden williamhurt jenamalone seanpenn ',
 'bride wakens four year coma child carried womb gone must wreak
 vengeance team assassins betrayed team part action crime thriller
 umathurman lucyliu vivicaa.fox darylhannah quentintarantino ',
 'wife disappearance become focus intense media circus man sees
 spotlight turned suspected may innocent crime drama mystery benaffleck
 rosamundpike neilpatrickharris tylerperry davidfincher ',
 'brian born original christmas stable next door spends life mistaken
 messiah comedy grahamchapman johncleese terrygilliam ericidle
 terryjones ',
 'television network cynically exploits deranged former anchor ravings
 revelations news media profit drama fayedunaway williamholden
 peterfinch robertduvall sidneylumet ',
 'marshal investigates disappearance murderess escaped hospital
 criminally insane mystery thriller leonardodicaprio markruffalo
 benkingsley maxvonsydow martinscorsese ',
 'man coerced confession ira bombing commit results imprisonment
 father well english lawyer fights free biography drama alisoncrosbie
 danielday-lewis philipking emmathompson jimsheridan ',
 'merciless rivalry formula one rivals james hunt niki lauda action
 biography drama chrishemsworth danielbrühl oliviawilde
 alexandramarialara ronhoward ',
 'paul rusesabagina hotel manager housed thousand tutsi refugees
 struggle hutu militia rwanda biography drama history doncheadle
 xolanimali desmonddube hakeemkae-kazim terrygeorge ',
 'young recruit vietnam faces moral crisis confronted horrors war
 duality man drama war tomberenger keithdavid willemdafoe
 forestwhitaker oliverstone ',
 'ben young irish boy little sister saoirse girl turn seal adventure
 free fairies save spirit world animation adventure family davidrawle
 brendangleeson lisahannigan fionnulaflanagan tommmoore ',
 'jewish prince betrayed sent slavery roman friend regains freedom
 comes back revenge adventure drama history charltonheston jackhawkins
 hayaharareet stephenboyd williamwyler ',
 "death friend writer recounts boyhood journey find body missing boy
 adventure drama wilwheaton riverphoenix coreyfeldman jerryo'connell
 robreiner ",
 'college professor bond abandoned dog takes home drama family
 richardgere joanallen cary-hiroyukitagawa sarahroemer lassehallström
 ',
 'distant poor relative duke ascoyne plots inherit title murdering
 eight heirs stand ahead line succession comedy crime dennisprice
 valeriehobson joangreenwood alecguinness roberthamer ',
 'private detective takes case involves three eccentric criminals
 gorgeous liar quest priceless statuette film-noir mystery
 humphreybogart maryastor gladysgeorge peterlorre johnhuston ',
 'two western bank train robbers flee bolivia law gets close biography
 crime drama paulnewman robertredford katharineross strothermartin

georgeroyhill ',

'baby boy discovered ocean liner grows musical prodigy never setting foot land drama music romance timroth pruitttaylorvince billnunn clarencewilliamsiii giuseppetornatore ',

'true story boston globe uncovered massive scandal child molestation cover within local catholic archdiocese shaking entire catholic church core crime drama history markruffalo michaelkeaton rachelmcadams lievschreiber tommccarthy ',

'meeting stranger railway station woman tempted cheat husband drama romance celiajohnson trevorhoward stanleyholloway joycecarey davidlean ',

'three world war veterans return home small town america discover families irreparably changed drama romance war myrnaloy fredricmarch danaandrews teresawright williamwyler ',

'poor midwest family forced land travel california suffering misfortunes homeless great depression drama history henryfonda janedarwell johncarradine charleygrapewin johnford ',

'antebellum united states solomon northup free black man upstate new york abducted sold slavery biography drama history chiwetelejofor dwighthenry dickiegravois bryanbatt stevemcqueen ',

'adventures gustave legendary concierge famous hotel fictional republic zubrowka first second world wars zero moustafa lobby boy becomes trusted friend adventure comedy drama ralphfiennes f.murrayabraham mathieuamalric adrienbrody wesanderson ',

'woman rebels tyrannical ruler postapocalyptic australia search home land help group female prisoners psychotic worshipper drifter named max action adventure sci-fi tomhardy charlizetheron nicholashoult hughkeays-byrne georgemiller ',

'home sick bed young boy grandfather reads story called princess bride adventure family fantasy caryelwes mandypatinkin chrissarandon christopherguest robreiner ',

'former child star torments paraplegic sister decaying hollywood mansion drama horror thriller bettedavis joancrawford victorbuono wesleyaddy robertaldrich ',

'determined woman works hardened boxing trainer become professional drama sport clinteastwood hilaryswank morganfreeman jaybaruchel clinteastwood ',

'preview tour theme park suffers major power breakdown allows cloned dinosaur exhibits run amok adventure sci-fi thriller samneill lauradern jeffgoldblum richardattenborough stevenspielberg ',

'stark perverse story murder kidnapping police corruption mexican border town crime drama film-noir charltonheston janetleigh orsonwelles josephcalleia orsonwelles ',

'peter parker help mentor tony stark tries balance life ordinary high school student new york city fighting crime superhero alter ego spider man new threat emerges action adventure sci-fi tomholland michaelkeaton robertdowneyjr. marisatomei jonwatts ',

'young man woman meet train europe wind spending one evening together vienna unfortunately know probably night together drama romance

ethanhawke juliedelpy andreaeckert hannopöschl richardlinklater ',
'insurance salesman adjuster discovers entire life actually
television show comedy drama sci-fi jimcarrey lauralinney noahemmerich
nataschamcelhone peterweir ',
'harry ron hermione search voldemort remaining horcruxes effort
destroy dark lord final battle rages hogwarts adventure drama fantasy
ralphfiennes michaelgambon alanrickman danielradcliffe davidyates ',
'three decades empire defeat new threat arises militant first order
stormtrooper defector finn spare parts scavenger rey caught resistance
search missing luke skywalker action adventure fantasy harrisonford
markhamill carriefisher adamdriver j.j.abrams ',
'travis henderson aimless drifter missing four years wanders desert
must reconnect society life family drama harrydeanstanton samberry
bernhardwicki deanstockwell wimwenders ',
'group high schoolers come age bleak isolated atrophied west texas
town slowly dying culturally economically drama timothybottoms
jeffbridges cybillshepherd benjohnson peterbogdanovich ',
'gandhi character fully explained man nonviolence patience able drive
british subcontinent stubborn nature jinnah commitment towards
pakistan portrayed biography drama history benkingsley candicebergen
edwardfox johngielgud richardattenborough ',
'irish rogue wins heart rich widow assumes dead husband aristocratic
position century england adventure drama history ryano'neal
marisaberenson patrickmagee hardykrüger stanleykubrick ",
'rocky balboa small time boxer gets supremely rare chance fight heavy
weight champion apollo creed bout strives distance self respect drama
sport sylvesterstallone taliashire burtyoung carlweathers
johng.avildsen ',
'neurotic new york comedian alvy singer falls love ditzy annie hall
comedy romance woodyallen dianekeaton tonyroberts carolkane woodyallen
,
'keller dover daughter friend missing takes matters hands police
pursue multiple leads pressure mounts crime drama mystery hughjackman
jakegyllenhaal violadavis mariabello denisvilleneuve ',
'troubled teenager plagued visions man large rabbit suit manipulates
commit series crimes narrowly escapes bizarre accident drama sci-fi
thriller jakegyllenhaal holmesosborne maggieryllenhaal daveighchase
richardkelly ',
'story frank abagnale birthday successfully forged millions dollars
worth checks posing pan pilot doctor legal prosecutor seasoned
dedicated fbi agent pursues biography crime drama leonardodicaprio
tomhanks christopherwalken martinsheen stevenspielberg ',
'senator became famous killing notorious outlaw returns funeral old
friend tells truth deed action drama western johnwayne jamesstewart
veramiles leemarvin johnford ',
'police detective falls love woman whose murder investigating drama
film-noir mystery genetierney danaandrews cliftonwebb vincentprice
ottopreminger ',
'order power city monsters scare children scream however children

toxic monsters child gets monsters realize things may think animation
adventure comedy johngoodman billycrystal marygibbs stevebuscemi
petedoctor davidsilverman leeunkrich ',

'jason bourne dodges ruthless cia official agents new assassination
program searching origins life trained killer action mystery thriller
mattdamon juliastiles davidstrathairn scottglenn paulgreengrass ',

'brick alcoholic football player drinks days away resists affections
wife maggie reunion father big daddy dying cancer jogs host memories
revelations father son drama romance elizabethtaylor paulnewman
burlives jackcarson richardbrooks ',

'dorothy gale swept away farm kansas magical land tornado embarks
quest new friends see wizard help return home kansas help friends well
adventure family fantasy judygarland frankmorgan raybolger bertlahr
victorfleming georgecukor mervynleroy normantaurog kingvidor ',

'man loves games theater invites wife lover meet setting battle wits
potentially deadly results mystery thriller laurenceolivier
michaelcaine aleccawthorne johnmatthews josephl.mankiewicz ',

'bored sheltered princess escapes guardians falls love american
newsman rome comedy romance gregorypeck audreyhepburn eddiealbert
hartleypower williamwyler ',

'private eye escapes past run gas station small town past catches
must return big city world danger corruption double crosses
duplicitous dames crime drama film-noir robertmitchum janegreer
kirkdouglas rhondaflaming jacquestourneur ',

"murder trial defendant says suffered temporary insanity victim raped
wife truth win case crime drama mystery jamesstewart leeremick
bengazzara arthuro'connell ottopreminger ",

'bitter aging couple help alcohol use young couple fuel anguish
emotional pain towards drama elizabethtaylor richardburton georgesegal
sandydennis mikenichols ',

'seemingly indestructible humanoid cyborg sent assassinate waitress
whose unborn son lead humanity war machines soldier war sent protect
costs action sci-fi arnoldschwarzenegger michaelbiehn lindahamilton
paulwinfield jamescameron ',

'weatherman finds inexplicably living day comedy fantasy romance
billmurray andiemacdowell chriselliott stephentobolowsky haroldramis
,

'aspiring author civil rights movement decides write book detailing
african american maids point view white families work hardships daily
basis drama emmastone violadavis brycedallashoward octaviaspencer
tatetaylor ',

'psychotic socialite confronts pro tennis star theory two complete
strangers get away murder theory plans implement crime film-noir
thriller farleygranger ruthroman robertwalker leog.carroll
alfredhitchcock ',

'religious fanatic marries gullible widow whose young children
reluctant tell real daddy hid stolen robbery crime drama film-noir
robertmitchum shelleywinters lillianguish jamesgleason charleslaughton
,

'young soldier faces profound disillusionment soul destroying horror world war drama war louiswolheim lewayres johnwray arnoldlucy lewis milestone ',

'young woman whose father imprisoned terrifying beast offers place unaware captor actually prince physically altered magic spell animation family fantasy robbybenson jesse corti rex everhart angelalansbury garytrousdale kirkwise ',

'five year old indian boy gets lost streets calcutta thousands kilometers home survives many challenges adopted couple australia years later sets find lost family biography drama sunnypawar abhishekbharate priyankabose khushisolanki garthdavis ',

'future world devastated disease convict sent back time gather information man made virus wiped human population planet mystery sci-fi thriller josephmelito brucewillis jonseda michaelchance terrygilliam ',

'group intergalactic criminals forced work together stop fanatical warrior taking control universe action adventure sci-fi chrispratt zoesaldana davebautista vindiesel jamesgunn ',

'man robs bank pay lover operation turns hostage situation media circus biography crime drama penelopeallen sullyboyar johncazale beulahgarrick sidneylumet ',

'giant great white shark arrives shores new england beach resort wreaks havoc bloody attacks swimmers local sheriff teams marine biologist old seafarer hunt monster adventure drama thriller royscheider robertshaw richarddreyfuss lorrainegary stevenspielberg ',

'city anthropomorphic animals rookie bunny cop cynical con artist fox must work together uncover conspiracy animation adventure comedy ginnifergoodwin jasonbateman idriselba jennyslate jaredbush byronhoward richmoore ',

'guardians must fight keep newfound family together unravel mystery peter quill true parentage action adventure sci-fi chrispratt zoesaldana davebautista vindiesel jamesgunn ',

'blacksmith turner teams eccentric pirate captain jack sparrow save love governor daughter jack former pirate allies undead action adventure fantasy johnnydepp geoffreyrush orlandobloom keiraknightley goreverbinski ',

'nine years jesse celine first met encounter french leg jesse book tour drama romance ethanhawke juliedelpy vernondobtcheff louislemoinetorrès richardlinklater ',

'world war mathematician alan turing tries crack enigma code help fellow mathematicians biography drama thriller benedictcumberbatch keiraknightley matthewgoode rorykinnear mortentylum ',

'american grandson infamous scientist struggling prove insane people believe invited transylvania discovers process reanimates dead body comedy genewilder peterboyle martyfeldman madelinekahn melbrooks ',

'two escaping american world war prisoners killed german pow camp barracks black marketeer sefton suspected informer drama war williamholden dontaylor ottopreminger robertstrauss billywilder ',

'woman run mob reluctantly accepted small colorado town exchange

agrees work search visits town finds support price yet dangerous
secret never far away crime drama nicolekidman harrietandersson
laurenbacall jean-marcbarr larsvontrier ',
'english teacher john keating inspires students look poetry different
perspective authentic knowledge feelings comedy drama robinwilliams
robertseanleonard ethanhawke joshcharles peterweir ',
'marshal kane personally compelled face returning deadly enemy frank
miller finds fellow townspeople refuse help drama thriller western
garycooper thomasmitchell lloydbridges katyjurado fredzinnemann ',
'man befriends fellow criminal two begin serving sentence dreadful
prison island inspires man plot escape biography crime drama
stevemcqueen dustinhoffman victorjory dongordon franklinj.schaffner ',
'disturbed blanche dubois moves sister new orleans tormented brutish
brother law reality crumbles around drama vivienleigh marlonbrando
kimhunter karlmalden eliakazan ',
'drama critic learns wedding day beloved maiden aunts homicidal
maniacs insanity runs family comedy crime thriller carygrant
priscillalane raymondmassey jackcarson frankcapra ',
'film explores dark miserable town basin city tells story three
different people caught violent corruption crime thriller jessicaalba
devonaoki alexisbledel powersbooth frankmiller robertrodriguez
quentintarantino ',
'coming pool player plays long time champion single high stakes match
drama sport paulnewman jackiegleason piperlaurie georgec.scott
robertrossen ',
'sly business manager two wacky friends two opera singers help
achieve success humiliating stuffy snobbish enemies comedy music
musical grouchomarx chicomarx harpomarx kittycarlisle samwood
edmundgoulding ',
'crooks plan execute daring race track robbery crime drama film-noir
sterlinghayden coleengray vinceedwards jayc.flippen stanleykubrick ',
'earth mightiest heroes must come together learn fight team stop
mischievous loki alien army enslaving humanity action sci-fi
robertdowneyjr. chrisevans markruffalo chrishemsworth josswhedon ',
'woman asked spy group nazi friends south america far ingratiate
drama film-noir romance carygrant ingridbergman clauderains
louiscalhern alfredhitchcock ',
'due insistence invisible six foot tall rabbit best friend whimsical
middle aged man thought family insane may wiser anyone knows comedy
drama fantasy wallaceford williamh.lynn victoriahorne jessewhite
henrykoster ',
'astronaut becomes stranded mars team assume dead must rely ingenuity
find way signal earth alive adventure drama sci-fi mattdamon
jessicachastain kristenwiig jeffdaniels ridleyscott ',
'teenage girl possessed mysterious entity mother seeks help two
priests save daughter horror ellenburstyn maxvonsydow leej.cobb
kittywinn williamfriedkin ',
'small town sheriff american west enlists help cripple drunk young
gunfighter efforts hold jail brother local bad guy action drama

western johnwayne deanmartin rickynelson angiedickinson howardhawks ',
'rich woman husband tabloid type reporter turn planned remarriage
begins learn truth comedy romance carygrant katharinehepburn
jamesstewart ruthhussey georgecukor ',
'two young men strangle inferior classmate hide body apartment invite
friends family dinner party means challenge perfection crime crime
drama thriller johndall farleygranger edithevanson douglasdick
alfredhitchcock ',
'private detective philip marlowe hired rich family complex case seen
murder blackmail might love crime film-noir mystery humphreybogart
laurenbacall johnridgely marthavickers howardhawks ',
'confined troubled rock star descends madness midst physical social
isolation everyone animation drama fantasy bobgeldof
christinehargreaves jameslaurenson eleanordavid alanparker ',
'story king george united kingdom great britain northern ireland
impromptu ascension throne speech therapist helped unsure monarch
become worthy biography drama colinfirth helenabonhamcarter
derekjacobi robertportal tomhooper ',
'young boy named ralphie attempts convince parents teacher santa red
ryder gun really perfect christmas gift comedy family melindadillon
darrenmcgavin peterbillingsley scottschwartz bobclark ',
'disillusioned college graduate finds torn older lover daughter
comedy drama annbancroft dustinhoffman katharineross williamdaniels
mikenichols ',
'new orleans discovers kennedy assassination official story drama
history thriller sallykirkland anthonyramirez raylepere stevereed
oliverstone ',
'karl childers simple man hospitalized since childhood murder mother
lover released start new life small town drama billybobthornton
dwightyoakam j.t.walsh johnritter billybobthornton ',
'fisherman smuggler syndicate businessmen match wits possession
priceless diamond adventure drama thriller leonardodicaprio
djimonhounsou jenniferconnelly kagisokuypers edwardzwick ',
'epic mosaic interrelated characters search love forgiveness meaning
san fernando valley drama pathealy genevievezweig markflanagan
neilflynn paulthomasanderson ',
'selfish yuppie charlie babbitt father left fortune savant brother
raymond pittance charlie travel cross country drama dustinhoffman
tomcruise valeriagolino gerald.r.molen barrylevinson ',
'frontiersman fur trading expedition fights survival mauled bear left
dead members hunting team adventure drama thriller leonardodicaprio
tomhardy domhnallgleeson willpoulter alejandrogonzálezizárritu ',
"jack skellington king halloween town discovers christmas town
attempts bring christmas home cause confusion animation family fantasy
dannyeelfman chrissarandon catherineo'hara williamhickey henryselick ",
'former prisoner war brainwashed unwitting assassin international
communist conspiracy drama thriller franksinatra laurenceharvey
janetleigh angelalansbury johnfrankenheimer ',
'fast talking mercenary morbid sense humor subjected rogue experiment

leaves accelerated healing powers quest revenge action adventure
 comedy ryanreynolds karansoni edskrein michaelbenyaer timmiller ',
 "aging group outlaws look one last big score traditional american
 west disappearing around action adventure western williamholden
 ernestborgnine robertryan edmondo'brien sampeckinpah ",
 'street urchin vies love beautiful princess uses genie magic power
 make prince order marry animation adventure comedy scottweinger
 robinwilliams lindalarkin jonathanfreeman ronclelements johnmusker ',
 'frustrated son tries determine fact fiction dying father life
 adventure drama fantasy ewanmcgregor albertfinney billycrudup
 jessicalange timburton ',
 'world war phase career controversial american general george patton
 biography drama war georgec.scott karlmalden stephenyoung
 michaelstrong franklinj.schaffner ',
 'desperate life chronic alcoholic followed four day drinking bout
 drama film-noir raymilland janewyman phillipterry howarddasilva
 billywilder ',
 'something supervising staff member residential treatment facility
 navigates troubled waters world alongside worker longtime boyfriend
 drama brielarson johngallagherjr. stephaniebeatriz ramimalek
 destindanielcretien ',
 'newspaper editor uses every trick book keep ace reporter wife
 remarrying comedy drama romance carygrant rosalingrussell ralphbellamy
 genelockhart howardhawks ',
 'old man makes long journey lawn mover tractor mend relationship ill
 brother biography drama sissyspacek janegallowayheitz
 josepha.carpenter donaldwiebert davidlynch ',
 'mumbai teen reflects upbringing slums accused cheating indian
 version wants millionaire drama devpatel saurabhshukla anil Kapoor
 rajzutschi dannyboyle loveleentandan ']

```

df['clean_input'] = 1
df = df[['Title', 'clean_input']]
df.head()

```

	Title	clean_input
0	The Shawshank Redemption	two imprisoned men bond number years finding s...
1	The Godfather	aging patriarch organized crime dynasty transf...
2	The Godfather: Part II	early life career vito corleone new york portr...
3	The Dark Knight	menace known joker emerges mysterious past wre...
4	12 Angry Men	jury holdout attempts prevent miscarriage just...

Feature Extraction

```
from sklearn.feature_extraction.text import TfidfVectorizer
tfidf = TfidfVectorizer()
features = tfidf.fit_transform(df['clean_input'])

# create cosine similarity matrix
from sklearn.metrics.pairwise import cosine_similarity
cosine_sim = cosine_similarity(features, features)
print(cosine_sim)

[[1.          0.02693012 0.02567883 ... 0.00369409 0.00358765
 0.00349224]
 [0.02693012 1.          0.18053579 ... 0.00386089 0.00374964
 0.00364992]
 [0.02567883 0.18053579 1.          ... 0.00368149 0.00357542
 0.00348033]
 ...
 [0.00369409 0.00386089 0.00368149 ... 1.          0.00373351
 0.00363421]
 [0.00358765 0.00374964 0.00357542 ... 0.00373351 1.          0.0035295
 1.
 [0.00349224 0.00364992 0.00348033 ... 0.00363421 0.0035295 1.
 1.]
 ]]
```

Movie Recommendation

```
index = pd.Series(df['Title'])
index.head()

0    The Shawshank Redemption
1           The Godfather
2    The Godfather: Part II
3           The Dark Knight
4          12 Angry Men
Name: Title, dtype: object

def recommend_movies(title):
    movies = []
    idx = index[index == title].index[0]
    # print(idx)
    score = pd.Series(cosine_sim[idx]).sort_values(ascending=False)
    top10 = list(score.iloc[1:11].index)
    # print(top10)

    for i in top10:
        movies.append(df['Title'][i])
    return movies

recommend_movies('Gladiator')
```

```
['Ben-Hur',  
 'The Sting',  
 'On the Waterfront',  
 'Deadpool',  
 'Star Wars: Episode VI - Return of the Jedi',  
 'Roman Holiday',  
 'Léon: The Professional',  
 'The Martian',  
 'Kill Bill: Vol. 1',  
 'The Godfather: Part II']
```

```
index[index == 'Gladiator'].index[0]
```

```
38
```

```
pd.Series(cosine_sim[3]).sort_values(ascending=False)
```

```
3      1.000000  
51     0.193658  
89     0.192066  
40     0.126955  
187    0.088099
```

```
...  
217    0.000000  
150    0.000000  
30     0.000000  
145    0.000000  
70     0.000000
```

```
Length: 250, dtype: float64
```

```
recommend_movies('The Shawshank Redemption')
```

```
['Pulp Fiction',  
 'Se7en',  
 'Rope',  
 'Goodfellas',  
 'Hachi: A Dog's Tale',  
 'The Green Mile',  
 'The Great Escape',  
 'Million Dollar Baby',  
 'Beauty and the Beast',  
 'Unforgiven']
```

```
recommend_movies('The Avengers')
```

```
['Guardians of the Galaxy Vol. 2',  
 'Aliens',  
 'Guardians of the Galaxy',  
 'The Martian',  
 'Interstellar',  
 'Blade Runner',
```

'Kill Bill: Vol. 1',
'The Thing',
'Spider-Man: Homecoming',
'The Terminator']