



Exercício 08

Células e Textos

Jan K. S. – janks@puc-rio.br

ENG 1118 – Tópicos Especiais



janks.link/matlab/aula08.zip

Material da Aula 08

Exercício 08 A



Crie o texto "Pi é igual a " seguido de π com as primeiras 15 casas decimais.

↪ DICA: use a função `sprintf`.

Declarar matriz de células abaixo.

$$\text{matriz} = \begin{bmatrix} \text{Um} & 1 & 1 \\ \text{Dois} & 2 & [2 \ 2] \\ \text{Três} & 3 & [3 \ 3 \ 3] \end{bmatrix}$$

Acesse o texto na terceira linha e primeira coluna, e concatene um "s" no final da palavra (não precisa modificar a matriz).

Exercício 08 A

Acesse todos elementos da segunda coluna da matriz e calcule sua média.

Crie uma função que recebe um texto com 10 dígitos de telefone (ex: 2135271001) e retorna um outro texto com esse número formatado (ex: (21) 3527-1001).

Exercício 08 B

O tema do Exercício 08 B é...

**STAR
WARS**

O LADO MATLAB DA FORÇA

www.imdb.com/title/tt0076759/

Guerra nas Estrelas (1977) - IMDb

FULL CAST AND CREW | TRIVIA | USER REVIEWS | IMDbPro | MORE SHARE

Guerra nas Estrelas (1977) 8,7/10 1.004.009 Rate This

Star Wars (*original title*)
10 | 2h 1min | Action, Adventure, Fantasy | 30 January 1978 (Brazil)

2:02 | Trailer 5 VIDEOS | 345 IMAGES

Luke Skywalker joins forces with a Jedi Knight, a cocky pilot, a Wookiee, and two droids to save the galaxy from the Empire's world-destroying battle-station, while also attempting to rescue Princess Leia from the evil Darth Vader.

Director: George Lucas
Writer: George Lucas
Stars: Mark Hamill, Harrison Ford, Carrie Fisher | See full cast & crew »

92 Metascore From metacritic.com | Reviews 1.534 user | 304 critic | Popularity 125 (110)

Dados sobre o Primeiro Filme no IMDB

MAIN SERIES FILMS



ANTHOLOGY FILMS



CARTOONS



BOOKS



COMICS

Universo Star Wars



STAR
THE LAST JEDI
WARS
DECEMBER

©2017 Lucasfilm Ltd.

Episódio 8 no Dia 15 de Dezembro!

www.imsdb.com/scripts/Star-Wars-A

Star Wars: A New Hope Script at IMSDb.

The Internet Movie Script Database (IMSDb)

IMSDb
The web's largest movie script resource!

Search IMSDb

Go!

Alphabetical

#	A	B	C	D	E	F	G	H
I	J	K	L	M	N	O	P	Q
R	S	T	U	V	W	X	Y	Z

Genre

Action	Adventure	Animation
Comedy	Crime	Drama
Family	Fantasy	Film-Noir
Horror	Musical	Mystery
Romance	Sci-Fi	Short
Thriller	War	Western

Sponsor

TV Transcripts

[Futurama](#)
[Seinfeld](#)
[South Park](#)
[Stargate SG-1](#)
[Lost](#)
[The 4400](#)

International

[French scripts](#)

Movie Software

STAR WARS

Episode IV

A NEW HOPE

From the
JOURNAL OF THE WHILLS

by
George Lucas

Revised Fourth Draft
January 15, 1976

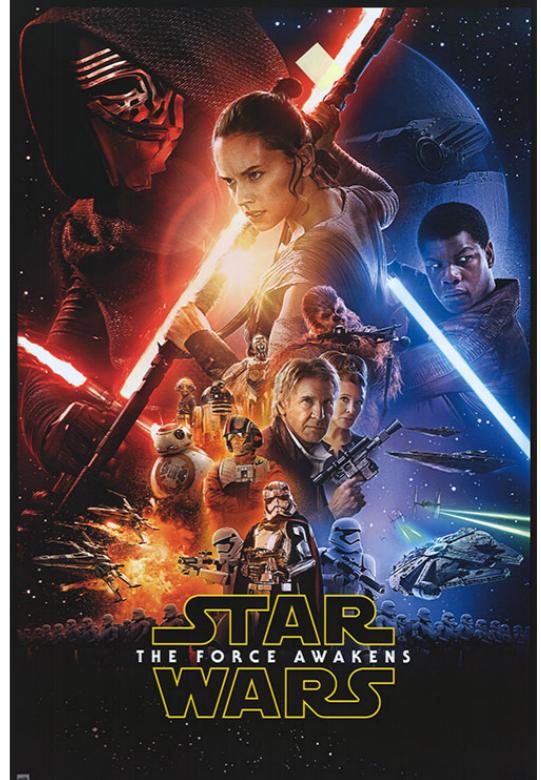
LUCASFILM LTD.

A long time ago, in a galaxy far, far, away...

A vast sea of stars serves as the backdrop for the main title. War drums echo through the heavens as a rollup slowly crawls into infinity.

It is a period of civil war. Rebel spaceships, striking from a hidden base, have won their first victory against the evil Galactic Empire.

During the battle, Rebel spies managed to steal secret plans to the Empire's ultimate weapon, the



Análise do Roteiro de Quatro Filmes da Série

Personagem

Fala/Narração

'' 'EXT. PLAIN OF HOTH - DAY A small figure gallops across the...' '' 'After a little static a familiar voice is heard.' 'HAN' '(over comlink) Loud and clear, kid. What''s up?' 'LUKE' '(into comlink) Well, I finished my circle. I don''t pick up...' 'HAN' '(over comlink) There isn''t enough life on this ice cube...' 'LUKE' '(into comlink) Right. I''ll see you shortly. There''s a meteorite...' '' 'Luke clicks off his transmitter and reins back on his nervous lizard...' (...)

Star Wars

Episodio V: O Imperio Contra-Ataca

Personagem	Fala
VADER	INT. GANTRY - OUTSIDE CONTROL ROOM - REACTOR SHAFT Luke moves along the railing and up to the c...
VADER	You are beaten. It is useless to resist. Don't let yourself be destroyed as Obi-Wan did.
VADER	Luke answers by rolling sideways and thrusting his sword at Vader so viciously that he nicks Vader on the sho...
VADER	There is no escape. Don't make me destroy you. You do not yet realize your importance. You have only begu...
LUKE	I'll never join you!
VADER	If you only knew the power of the dark side. Obi-Wan never told you what happened to your father.
LUKE	He told me enough! It was you who killed him.
VADER	No. I am your father.
	Shocked, Luke looks at Vader in utter disbelief.
LUKE	No. No. That's not true! That's impossible!
VADER	Search your feelings. You know it to be true.
LUKE	No! No! No!
VADER	Luke. You can destroy the Emperor. He has foreseen this. It is your destiny. Join me, and together we can rul...
	Vader puts away his sword and holds his hand out to Luke. A calm comes over Luke, and he makes a decision. ...
	INT. REACTOR SHAFT Suddenly Luke is sucked into an exhaust pipe in the side of the shaft. When Vader see...
	INT. EXHAUST PIPE Luke tumbles through the exhaust pipe. He slides to the end of the slickly polished pipe ...
	EXT. BOTTOM OF CLOUD CITY - WEATHER VANE - DUSK Unable to hang onto the pipe, Luke tumbles out, ...
LUKE	Ben... Ben, please!
	Luke tries to pull himself up on the weather vane but slips back down. He hooks one of his legs around the fra...
LUKE	Ben. Leia!
	There is an ominous cracking sound from the base of the weather vane and a piece breaks off, falling into the c...
LUKE	Hear me! Leia!

Busca

Personagens

(todos os personagens)

Texto no Dialogo

Buscar

Corrigir Nomes dos Personagens

Estatisticas

LUKE

Total de linhas: 128
Total de palavras: 1233
Total de citacoes: 128

Interface para Analisar os Roteiros

```
''      'After a little static...'
'HAN'   'Loud and clear, kid...'
'LUKE'  'Well, I finished my...'
'HAN'   'There isn''t... enough life'
'LUKE'  'Right. I''ll see you...'
''      'Luke clicks off his...'
```

roteiro



```
Parte1_FiltrarPorPersonagem
```



```
'LUKE'  'Well, I finished...'
'LUKE'  'Right. I''ll see...'
```

novoRoteiro

personagem

'LUKE'

Parte 1: Filtrar Matriz por um Personagem Específico

```
'THREEPIO'    'This can't be! Artoo...'
'JABBA'       'There will be no...'
'THREEPIO'    'We're doomed.'
```

roteiro

```
{'THREEPIO' 'ARTOO' ...} →
```

nomesOriginais

Parte2_CorrigirNomes



```
'C3P0'    'This can't be! R2D2...'
'JABBA'   'There will be no...'
'C3P0'    'We're doomed.'
```

novoRoteiro

```
{'C3P0' 'R2D2' ...}
```

nomesCorrigidos

```
'C3P0'  'This can't be! R2D2...'  
'JABBA' 'There will be no...'  
'C3P0'  'We're doomed.'
```

roteiro
→
'be'
textProcurado



```
'C3P0'  'This can't be! R2D2...'  
'JABBA' 'There will be no...'
```

novoRoteiro



Exercicio08BC.m



rode este arquivo para mostrar a interface



Parte1_FiltrarPorPersonagem.m



Parte2_CorrigirNomes.m

← escreva seu código aqui



Parte3_FiltrarPorTexto.m

Arquivos do Exercício



Exercício 08 B

Implemente a função que filtra as linhas do roteiro de um personagem específico.

↪ DICA: use a função `strcmp`.

Implemente a função que substitui as ocorrências de certos nomes por outros.

↪ DICA: use a função `strrep` e repetição.

Implemente a função que filtra as linhas que contém um trecho específico de texto.

↪ DICA: use `strfind`, `lower` e repetição.

Exercício 08 C

Star Wars

Episodio V: O Imperio Contra-Ataca

Personagem	Fala
VADER	INT. GANTRY - OUTSIDE CONTROL ROOM - REACTOR SHAFT Luke moves along the railing and up to the c...
VADER	You are beaten. It is useless to resist. Don't let yourself be destroyed as Obi-Wan did.
VADER	Luke answers by rolling sideways and thrusting his sword at Vader so viciously that he nicks Vader on the sho...
VADER	There is no escape. Don't make me destroy you. You do not yet realize your importance. You have only begu...
LUKE	I'll never join you!
VADER	If you only knew the power of the dark side. Obi-Wan never told you what happened to your father.
LUKE	He told me enough! It was you who killed him.
VADER	No. I am your father.
	Shocked, Luke looks at Vader in utter disbelief.
LUKE	No. No. That's not true! That's impossible!
VADER	Search your feelings. You know it to be true.
LUKE	No! No! No!
VADER	Luke. You can destroy the Emperor. He has foreseen this. It is your destiny. Join me, and together we can rul...
	Vader puts away his sword and holds his hand out to Luke. A calm comes over Luke, and he makes a decision. ...
	INT. REACTOR SHAFT Suddenly Luke is sucked into an exhaust pipe in the side of the shaft. When Vader see...
	INT. EXHAUST PIPE Luke tumbles through the exhaust pipe. He slides to the end of the slickly polished pipe ...
	EXT. BOTTOM OF CLOUD CITY - WEATHER VANE - DUSK Unable to hang onto the pipe, Luke tumbles out, ...
LUKE	Ben... Ben, please!
	Luke tries to pull himself up on the weather vane but slips back down. He hooks one of his legs around the fra...
LUKE	Ben. Leia!
	There is an ominous cracking sound from the base of the weather vane and a piece breaks off, falling into the c...
LUKE	Hear me! Leia!

Busca

Personagens
(todos os personagens)

Texto no Dialogo

Buscar

Corrigir Nomes dos Personagens

Estatísticas

LUKE

Total de linhas: 128
Total de palavras: 1233
Total de citacões: 128

Funções Restantes da Interface



Exercício 08 C

Implemente a função que conta o número de linhas de diálogo de um determinado personagem.

↪ DICA: use uma das funções do exercício anterior.

Implemente a função que conta o número de palavras ditas por um determinado personagem.

↪ DICA: use as funções strjoin e strsplit.

Implemente a função que conta o número de vezes em que um determinado personagem foi citado.

↪ DICA: use a função strfind.