

Universidad Galileo
Maestría de Ciencia de Datos
Curso Ciencia de Datos con Python
Jose Godoy
Carnet 22000570
27 de febrero 2022

Ejercicios prácticos preparatorios para parcial

Usuario: josedalvik

Ejercicio 1: Python If-Else

<https://www.hackerrank.com/challenges/py-if-else/>

hackerank.com/challenges/python-arithmetic-operators/submissions

HackerRank PREPARE NEW CERTIFY COMPETE

Search [icon] [icon] [icon] josedalvik

Prepare > Python > Introduction > Arithmetic Operators > Submissions

Arithmetic Operators ★

15 more points to get your first star!

Rank: 1307358 | Points: 20/35

Problem	Submissions	Leaderboard	Discussions	Editorial	Tutorial
RESULT	SCORE	LANGUAGE	TIME		
Accepted	10.0	PyPy	a few seconds ago	View Results	

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NEED HELP?

- View tutorial
- View discussions
- View editorial
- View top submissions

Ejercicio 2: Arithmetic Operators

<https://www.hackerrank.com/challenges/python-arithmetic-operators/>

HackerRank PREPARE NEW CERTIFY COMPETE

Prepare > Python > Introduction > Arithmetic Operators > Submissions

Arithmetic Operators ★

15 more points to get your first star!
Rank: 1307358 | Points: 20/35

Your Arithmetic Operators submission got 10.00 points. [Compare](#) [Tweet](#)

You are now 15 points away from the 1st star for your python badge.
[Try the next challenge](#) | [Try a Random Challenge](#)

Problem	Submissions	Leaderboard	Discussions	Editorial	Tutorial
RESULT	SCORE	LANGUAGE	TIME		
Accepted	10.00	PyPy	a few seconds ago	View Results	

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[View discussions](#)

Ejercicio 3: Python Division

<https://www.hackerrank.com/challenges/python-division/submissions>

HackerRank PREPARE NEW CERTIFY COMPETE

Prepare > Python > Introduction > Python: Division > Submissions

Python: Division ★

5 more points to get your first star!
Rank: 1246148 | Points: 30/35

Your Python: Division submission got 10.00 points. [Compare](#) [Tweet](#)

You are now 5 points away from the 1st star for your python badge.
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Problem	Submissions	Leaderboard	Discussions	Editorial	Tutorial
RESULT	SCORE	LANGUAGE	TIME		
Accepted	10.00	PyPy	a few seconds ago	View Results	

NEED HELP?
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Ejercicio 4: Python Loops

<https://www.hackerrank.com/challenges/python-loops/problem>

hackerrank.com/challenges/python-loops/submissions

HackerRank PREPARE NEW CERTIFY COMPETE

Prepare > Python > Introduction > Loops > Submissions

Loops ★

30 more points to get your next star!

Rank: 1157616 | Points: 40/70

Your Loops submission got 10.00 points. [Compart](#) [Tweet](#)

You are now 30 points away from the 2nd star for your python badge.

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Problem Submissions Leaderboard Discussions Editorial Tutorial

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

NEED HELP?

- [View tutorial](#)
- [View discussions](#)

Ejercicio 5: Write a function

<https://www.hackerrank.com/challenges/write-a-function/problem>

hackerrank.com/challenges/write-a-function/submissions

HackerRank PREPARE NEW CERTIFY COMPETE

Prepare > Python > Introduction > Write a function > Submissions

Write a function ★

20 more points to get your next star!

Rank: 1071050 | Points: 50/70

Your Write a function submission got 10.00 points. [Compart](#) [Tweet](#)

You are now 20 points away from the 2nd star for your python badge.

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Problem Submissions Leaderboard Discussions Editorial

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

NEED HELP?

- [View discussions](#)
- [View editorial](#)

Ejercicio 6: Find second maximum number in a list

<https://www.hackerrank.com/challenges/find-second-maximum-number-in-a-list/problem>

The screenshot shows the HackerRank interface for the 'Find the Runner-Up Score!' challenge. A notification banner at the top states: 'Your Find the Runner-Up Score! submission got 10.00 points. You are now 10 points away from the 2nd star for your python badge. Try the next challenge | Try a Random Challenge'. Below the banner, there are tabs for 'Problem', 'Submissions', 'Leaderboard', 'Discussions', and 'Editorial'. The 'Submissions' tab is active, displaying a table with the following data:

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

On the right side, there is a 'NEED HELP?' section with links to 'View discussions' and 'View editorial'. The top navigation bar includes the HackerRank logo, 'PREPARE', 'CERTIFY', and 'COMPETE' tabs, along with a search bar and user profile 'josedalvik'.

Ejercicio 7: finding the percentage

<https://www.hackerrank.com/challenges/finding-the-percentage/problem>

The screenshot shows the HackerRank interface for the 'Finding the percentage' challenge. A notification banner at the top states: 'Your Finding the percentage submission got 10.00 points. You are now 40 points away from the 3rd star for your python badge. Try the next challenge | Try a Random Challenge'. Below the banner, there are tabs for 'Problem', 'Submissions', 'Leaderboard', 'Discussions', 'Editorial', and 'Tutorial'. The 'Submissions' tab is active, displaying a table with the following data:

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

On the right side, there is a 'NEED HELP?' section with links to 'View tutorial', 'View discussions', and 'View editorial'. The top navigation bar includes the HackerRank logo, 'PREPARE', 'CERTIFY', and 'COMPETE' tabs, along with a search bar and user profile 'josedalvik'.

Ejercicio 8: Python List

<https://www.hackerrank.com/challenges/python-lists/problem>

hackerrank.com/challenges/python-lists/submissions

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Prepare > Python > Basic Data Types > Lists > Submissions

Lists ★

30 more points to get your next star!
Rank: 777873 | Points: 80/110

Your Lists submission got 10.00 points. [Compare](#) [Tweet](#)

You are now 30 points away from the 3rd star for your python badge.

[Try the next challenge](#) | [Try a Random Challenge](#)

Problem | Submissions | Leaderboard | Discussions | Editorial | Tutorial

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

NEED HELP?

- [View tutorial](#)
- [View discussions](#)
- [View editorial](#)

Ejercicio 9: Python Tuples

<https://www.hackerrank.com/challenges/python-tuples/problem>

hackerrank.com/challenges/python-tuples/submissions

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Prepare > Python > Basic Data Types > Tuples > Submissions

Tuples ★

30 more points to get your next star!
Rank: 696306 | Points: 80/110

Problem | Submissions | Leaderboard | Discussions | Editorial | Tutorial

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

NEED HELP?

- [View tutorial](#)
- [View discussions](#)
- [View editorial](#)
- [View top submissions](#)

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Ejercicio 10: Defaultdict tutorial

<https://www.hackerrank.com/challenges/defaultdict-tutorial/problem>

hackerrank.com/challenges/defaultdict-tutorial/submissions

HackerRank PREPARE ^{NEW} CERTIFY COMPETE

Prepare > Python > Collections > DefaultDict Tutorial > Submissions

DefaultDict Tutorial ★

110 more points to get your next star!
Rank: 575804 | Points: 110/220

Your DefaultDict Tutorial submission got 20.00 points. [Compare](#) [Tweet](#)

You are now 110 points away from the 4th star for your python badge.

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Problem Submissions Leaderboard Discussions Editorial

RESULT	SCORE	LANGUAGE	TIME	
Accepted	20.0	PyPy	a few seconds ago	View Results

NEED HELP?
[View discussions](#)
[View editorial](#)

Ejercicio 11: Collection counter

<https://www.hackerrank.com/challenges/collections-counter/problem>

hackerrank.com/challenges/collections-counter/submissions

HackerRank PREPARE ^{NEW} CERTIFY COMPETE

Prepare > Python > Collections > collections.Counter() > Submissions

collections.Counter() ★

100 more points to get your next star!
Rank: 511226 | Points: 120/220

Problem Submissions Leaderboard Discussions Editorial

RESULT	SCORE	LANGUAGE	TIME	
Accepted	10.0	PyPy	a few seconds ago	View Results

NEED HELP?
[View discussions](#)
[View editorial](#)
[View top submissions](#)

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Ejercicio 12: Minimun Swap Two

https://www.hackerrank.com/challenges/minimum-swaps-2/problem?h_l=interview&playlist_slugs%5B%5D=interview-preparation-kit&playlist_slugs%5B%5D=arrays

HackerRank PREPARE NEW CERTIFY COMPETE

Prepare > Interview Preparation Kit > Arrays > Minimum Swaps 2 > Submissions

Minimum Swaps 2 ★

Problem	Submissions	Leaderboard	Discussions	Editorial
RESULT	SCORE	LANGUAGE	TIME	
Accepted	40.0	PyPy	a few seconds ago	View Results

NEED HELP?
[View discussions](#)
[View editorial](#)

Ejercicio 12: Floor, ceil and rint

<https://www.hackerrank.com/challenges/floor-ceil-and-rint/problem>

HackerRank PREPARE NEW CERTIFY COMPETE

Prepare > Python > Numpy > Floor, Ceil and Rint > Submissions

Floor, Ceil and Rint ★

80 more points to get your next star!
Rank: 441398 | Points: 140/220

Your Floor, Ceil and Rint submission got 20.00 points. [Compare](#) [Tweet](#)

You are now 80 points away from the 4th star for your python badge.
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Problem	Submissions	Leaderboard	Discussions	Editorial
RESULT	SCORE	LANGUAGE	TIME	
Accepted	20.0	PyPy	a few seconds ago	View Results

NEED HELP?
[View discussions](#)
[View editorial](#)

Ejercicio 13: Sorting, bubble sort

https://www.hackerrank.com/challenges/ctci-bubble-sort/problem?h_l=interview&playlist_slugs%5B%5D=interview-preparation-kit&playlist_slugs%5B%5D=sorting

The screenshot shows the HackerRank interface for the 'Sorting: Bubble Sort' challenge. The breadcrumb trail is 'Prepare > Interview Preparation Kit > Sorting > Sorting: Bubble Sort > Submissions'. The page title is 'Sorting: Bubble Sort' with a star icon. Below the title are tabs for 'Problem', 'Submissions', 'Leaderboard', 'Discussions', 'Editorial', and 'Topics'. The 'Submissions' tab is active, displaying a table with columns: RESULT, SCORE, LANGUAGE, TIME, and a 'View Results' link. The table contains one submission: 'Accepted' with a score of 30.0, using PyPy, submitted 'a few seconds ago'. To the right of the table, under 'NEED HELP?', are links for 'View discussions', 'View editorial', and 'View top submissions'. The user 'josedalvik' is logged in.

RESULT	SCORE	LANGUAGE	TIME	
Accepted	30.0	PyPy	a few seconds ago	View Results

Ejercicio 14: Arrays

<https://www.hackerrank.com/challenges/np-arrays/submissions>

The screenshot shows the HackerRank interface for the 'Arrays' challenge. The breadcrumb trail is 'Prepare > Python > Numpy > Arrays > Submissions'. The page title is 'Arrays' with a star icon. Below the title are tabs for 'Problem', 'Submissions', 'Leaderboard', 'Discussions', and 'Editorial'. The 'Submissions' tab is active, displaying a table with columns: RESULT, SCORE, LANGUAGE, TIME, and a 'View Results' link. The table contains one submission: 'Accepted' with a score of 20.0, using PyPy, submitted 'a few seconds ago'. To the right of the table, under 'NEED HELP?', are links for 'View discussions', 'View editorial', and 'View top submissions'. Above the table, there is a progress bar indicating '80 more points to get your next star!' and the user's rank '394722' and points '140/220'. The user 'josedalvik' is logged in.

RESULT	SCORE	LANGUAGE	TIME	
Accepted	20.0	PyPy	a few seconds ago	View Results

Ejercicio 15: ceros and ones

<https://www.hackerrank.com/challenges/np-zeros-and-ones/submissions>

hackerrank.com/challenges/np-zeros-and-ones/submissions

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Prepare > Python > Numpy > Zeros and Ones > Submissions

Zeros and Ones ★

40 more points to get your next star!

Rank: 358025 | Points: 180/220

Your Zeros and Ones submission got 20.00 points. [Compare](#) [Tweet](#)

You are now 40 points away from the 4th star for your python badge.

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Problem	Submissions	Leaderboard	Discussions	Editorial
RESULT	SCORE	LANGUAGE	TIME	
Accepted	20.0	PyPy	a few seconds ago	View Results

NEED HELP?

- [View discussions](#)
- [View editorial](#)