

Exercício – usar operadores aritméticos

8 minutos

Área restrita ativada! Tempo restante: **54 min**

Você usou todas as 3 de 10 áreas restritas de hoje. Mais áreas restritas estarão disponíveis amanhã.

Tempo de execução

Arquivo

Editar

Exibir

Comentários

Executar tudo

py38_default

Arithmetic operators in Python

Python provides common arithmetic operators so you can perform mathematic operations in your code. These include the four core operations of addition, subtraction, multiplication, and division.

Let's explore how we can create a program that can calculate the distance between two planets. We'll start by using two planet distances: Earth (149,597,870 km) and Jupiter (778,547,200 km).

This exercise is broken into a series of steps. For each step you will be presented with the goal for the step, followed by an empty cell. Enter your Python into the cell and run it. The solution for each step will follow each cell.

Note: Remove the commas when you're using the values.

Create variables to store the distances

Start by creating two variables named `first_planet` and `second_planet`. Set `first_planet` to the distance from the sun to Earth, and `second_planet` for the distance from the sun to Jupiter.

```
# Enter code below
first_planet = 149597870
second_planet = 778547200
```

[1] ✓ <1 s

You code should resemble the following:

```
first_planet = 149597870
second_planet = 778547200
```

Display distance between planets

You have two variables which store the distance between each planet and a common point: the sun. You can subtract these two values to determine the distance between the planets.

Start by adding the code to subtract `first_planet` from `second_planet` and store the result in a variable named `distance_km`. Display the value to the screen.

Then add the code to convert `distance_km` to miles by dividing it by 1.609344 (the rough difference between miles and kilometers) and store the result in a variable named `distance_mi`. Display the value to the screen.

```
# Enter code below
distance_km = second_planet - first_planet

distance_mi = distance_km / 1.609344
```

```
print(distance_km)
print(distance_mi)
```

[3] ✓ <1 s

```
... 628949330
    390810995.0389724
```

Your code should resemble the following:

```
distance_km = second_planet - first_planet
print(distance_km)

distance_mi = distance_km / 1.609344
print(distance_mi)
```

Desired output

The final result displayed when you run the notebook should be the following:

```
628949330
390810995.0389724
```

learn-notebooks-abc1d106-ba97-45ef-9685-dccd9fe19f13 Computação conectado Edição

Kernel ocioso py38_default

Unidade seguinte: Trabalhar com números no Python

Continuar >