Astronaut Height Test

Write a program which asks the user for their height in meters and prints whether or not they are the correct height to be a NASA astronaut.

If their height is between 1.6 meters and 1.9 meters, print "Correct height to be an astronaut". If their height is less than 1.6 meters, print "Below minimum astronaut height". If their height is greater than 1.9 meters, print "Above maximum astronaut height".

Concepts:

The objective of this problem was to check your ability to do a two main things

1. Get input from a user, change its type to a float, and store it in a variable.
2. Use conditional statements (if, else and elif) as well as boolean operators.

You can read the [Input Chapter](https://codeinplace2021.github.io/pythonreader/en/input/), [Booleans Chapter](https://codeinplace2021.github.io/pythonreader/en/booleans/) and [If Chapter](https://codeinplace2021.github.io/pythonreader/en/if/) statements if you found this question hard!

Example Solutions

"""

There are many solutions to this problem. Here are a few

"""

# Example Solution 1

def main():

# get the user height, cast it to a float, save as a variable

user\_height = float(input('Enter your height in meters: '))

# first rule out that they are too short

if user\_height < 1.6:

print('Below minimum astronaut height')

# then rule out that they are too tall

elif user\_height > 1.9:

print('Above maximum astronaut height')

# at this point you know they are the correct height

else:

print('Correct height to be an astronaut')

# Example Solution 2

def main():

user\_height = float(input('Enter you height in meters: '))

if user\_height >= 1.6 and user\_height <= 1.9:

print('Correct height to be an astronaut')

elif user\_height < 1.6:

print('Below minimum astronaut height')

else:

print('Above maximum astronaut height')

### What did the AI Think?

An algorithm read your program. It has some ideas! But you should take them with a grain of salt. Algorithms aren't as smart as people! Check out what the AI said to unlock the next question!