EXERCISE

Blend it all together

In the last few exercises you've learned everything there is to know about heights and weights of baseball players. Now it's time to dive into another sport: soccer.

You've contacted FIFA for some data and they handed you two lists. The lists are the following:

```
positions = ['GK', 'M', 'A', 'D', ...]
heights = [191, 184, 185, 180, ...]
```

Each element in the lists corresponds to a player. The first list, `positions`, contains strings representing each player's position. The possible positions are: `'GK'` (goalkeeper), `'M'` (midfield), `'A'` (attack) and `'D'` (defense). The second list, `heights`, contains integers representing the height of the player in cm. The first player in the lists is a goalkeeper and is pretty tall (191 cm).

You're fairly confident that the median height of goalkeepers is higher than that of other players on the soccer field. Some of your friends don't believe you, so you are determined to show them using the data you received from FIFA and your newly acquired Python skills.

INSTRUCTIONS 100 XP

SCRIPT.PY

```
# heights and positions are av

# Import numpy
import numpy as np

# Convert positions and height
np_heights = np.array(heights)
np_positions = np.array(positi

# Heights of the goalkeepers:
gk_heights = np_heights[np_pos

# Heights of the other players
```

IPYTHON SHELL SLIDES