**NumPy: Exercise 1**

In the distant galaxy of NumPyton, a group of interstellar explorers is on a mission to map the celestial bodies in a star cluster. They have collected data on the positions of stars in three-dimensional space and stored it in a NumPy array called `star\_positions`. The array has shape (N, 3), where N is the number of stars and each row represents the x, y, and z coordinates of a star.

Your task is to help the explorers find the closest star to a given reference point in the cluster. Begin by creating a NumPy array called `reference\_point` that represents the coordinates of the reference point. Calculate the distance between each star position and the reference point. Finally, find the index of the star with the minimum distance and print a message indicating its position.

| import numpy as np  *# Simulated star positions* star\_positions = np.array([  *# Add yourself* ])  *# Reference point coordinates* reference\_point = *# Add yourself*  *# Write all your logic here* |
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In this exercise, you'll be working with three-dimensional coordinates, utilizing NumPy's broadcasting feature to calculate distances, and identifying the closest star in the star cluster based on the reference point.