Scenario: You are a data analyst working for a car manufacturing company. As part of your analysis, you have a dataset containing information about the fuel efficiency of different car models. The dataset is stored in a NumPy array named fuel efficiency, where each element represents the fuel efficiency (in miles per gallon) of a specific car model. Your task is to calculate the average fuel efficiency and determine the percentage improvement in fuel efficiency between two car models.

Question: How would you use NumPy arrays and arithmetic operations to calculate the average fuel efficiency and determine the percentage improvement in fuel efficiency between two car

models?

AIM: To calculate average fuel efficiency and measure the percentage improvement between two car models using NumPy.

PROCEDURE:

1. Create a NumPy array containing mpg values of car models.
2. Compute average mileage using np.mean().
3. Select two models for comparison using indexing.
4. Apply the percentage improvement formula.