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# clean_products.py
###assignments/1

products = [" LAPTOP ", "phone ", " Tablet", "CAMERA "]

clean_products = list(map(lambda p: p.strip().title(), products))

print(clean_products)


# celsius_to_fahrenheit.py
celsius = [0, 10, 20, 30, 40]

fahrenheit = list(map(lambda c: (9/5)*c + 32, celsius))

print(fahrenheit)


# transform_numbers.py
nums = [1, 2, 3, 4, 5]

transformed = list(map(lambda x: x**2 + 10, nums))

print(transformed)


# first_last_chars.py
words = ["python", "lambda", "programming", "map", "function"]

first_last_chars = list(map(lambda w: (w[0], w[-1]), words))

print(first_last_chars)


# update_marks.py
marks = [[45, 80, 70], [90, 60, 100], [88, 76, 92]]

updated_marks = list(map(lambda row: list(map(lambda x: round(x *
1.05), row)), marks))

print(updated_marks)


# normalize_numbers.py
numbers = [10, 20, 30, 40, 50]

min_num = min(numbers)
max_num = max(numbers)

normalized = list(map(lambda x: (x - min_num) / (max_num - min_num),
numbers))print(normalized)

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