Unit 3

Challenge 1 Q

Write a function called linear_search_product that takes the list o'f products and a target product name as input. The function should perform a linear search to find the target product in the list and return a list of indices of all occurrences of the product if found, or an empty list if the product is not found.

```python
def linear_search_product(product_list, target_product):
    indices = []

    for index, product in enumerate(product_list):
        if product == target_product:
            indices.append(index)

    return indices


# Example usage:
products = ['Apple', 'Banana', 'Apple', 'Orange', 'Mango', 'Apple']
target = 'Apple'

result = linear_search_product(products, target)
print(result)


Output: [0, 2, 5]
```