assignment-2

June 22, 2023

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[2]: products = [
         {'name': 'Product 1', 'price': 10},
         {'name': 'Product 2', 'price': 20},
         {'name': 'Product 3', 'price': 30}
     ]
[]: #create a tuple of dictionaries
     customers = (
         {'name': 'Customer 1', 'age': 25},
         {'name': 'Customer 2', 'age': 30},
         {'name': 'Customer 3', 'age': 35}
[]: #from collections function with a key function that returns the count of each
      \hookrightarrow productimport\ Counter
     sales = ['Product 1', 'Product 2', 'Product 1', 'Product 3', 'Product 2']
     product_count = Counter(sales)
     most_popular_product = max(product_count, key=product_count.get)
     print(most_popular_product)
[]: \#function with a key function that returns the count of each customer's \sqcup
      \hookrightarrow purchases
     from collections import defaultdict
     purchases = ['Customer 1', 'Customer 2', 'Customer 1', 'Customer 3']
     customer_purchases = defaultdict(int)
     for purchase in purchases:
         customer_purchases[purchase] += 1
     most_purchases_customer = max(customer_purchases, key=customer_purchases.get)
```

print(most_purchases_customer)