```
customer_data = customer_data.dropna(subset=['TotalValue', 'Quantity'])


customer_data_scaled = customer_data[['TotalValue', 'Quantity']]

customer_data_scaled = (customer_data_scaled - customer_data_scaled.mean()) /
customer_data_scaled.std()


similarity_matrix = cosine_similarity(customer_data_scaled)

import numpy as np


def get_top_3_lookalikes(customer_id, similarity_matrix, customer_ids):

    customer_ids_list = customer_ids.tolist()

    idx = customer_ids_list.index(customer_id)

    sim_scores = similarity_matrix[idx]

    top_3_indices = np.argsort(sim_scores)[-4:-1]

    return [(customer_ids_list[i], sim_scores[i]) for i in top_3_indices]


lookalikes = {}

for customer_id in customer_data['CustomerID'][:20]:

    top_3 = get_top_3_lookalikes(customer_id, similarity_matrix, customer_data['CustomerID'].values)

    lookalikes[customer_id] = top_3


lookalike_df = pd.DataFrame([(key, val[0][0], val[0][1], val[1][0], val[1][1], val[2][0], val[2][1])

                             for key, val in lookalikes.items()],

                             columns=['CustomerID', 'Lookalike1_ID', 'Lookalike1_Score', 'Lookalike2_ID',
'Lookalike2_Score', 'Lookalike3_ID', 'Lookalike3_Score'])

lookalike_df.to_csv('Lookalike.csv', index=False)
```