

```

import pandas as pd

orders_df = pd.read_csv(r'C:\Users\91637\OneDrive\Desktop\sev\ord.csv')
customers_df = pd.read_csv(r'C:\Users\91637\OneDrive\Desktop\sev\custo.csv')
merged_df = pd.merge(orders_df, customers_df, on="Customer ID", how="inner")
print("Merged DataFrame:")
print(merged_df)
merged_df['Order Date'] = pd.to_datetime(merged_df['Order Date'])
merged_df = merged_df.sort_values(by=['Customer ID', 'Order Date'])
merged_df['Time Diff'] = merged_df.groupby('Customer ID')['Order Date'].diff()
avg_time_diff = merged_df['Time Diff'].dropna().mean()

print("\nAverage time between consecutive orders:")
print(avg_time_diff)

```

OUTPUT

Merged DataFrame:

	Order ID	Customer ID	Order Date	Name	Email	\
0	1001	C001	10/01/2023	John Doe	john@example.com	
1	1002	C002	15/01/2023	Jane Smith	jane@example.com	
2	1003	C001	20/02/2023	John Doe	john@example.com	
3	1004	C003	25/01/2023	Bob Johnson	bob@example.com	
4	1005	C002	05/03/2023	Jane Smith	jane@example.com	
5	1006	C001	15/03/2023	John Doe	john@example.com	
6	1007	C003	30/03/2023	Bob Johnson	bob@example.com	
7	1008	C004	01/04/2023	Alice Brown	alice@example.com	

Phone Number

0	1234567890
1	2345678901
2	1234567890
3	3456789012
4	2345678901
5	1234567890
6	3456789012
7	4567890123