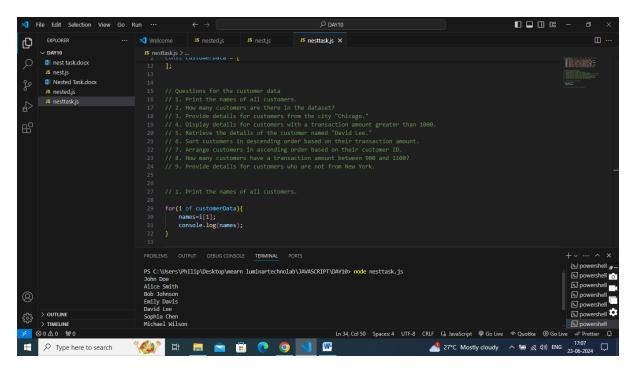
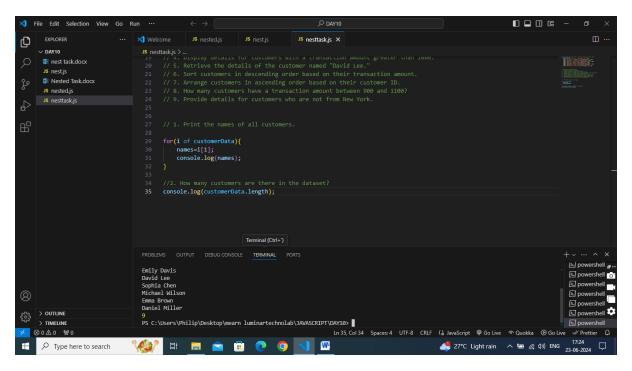
TASK1

```
Task: // Nested array data for customers - details Id, name, place, email, amount const customerData = [
[3000, 'John Doe', 'New York', 'john.doe@email.com', 1000],
[3001, 'Alice Smith', 'Los Angeles', 'alice.smith@email.com', 1200],
[3002, 'Bob Johnson', 'Chicago', 'bob.johnson@email.com', 800],
[3003, 'Emily Davis', 'San Francisco', 'emily.davis@email.com', 1500],
[3004, 'David Lee', 'Houston', 'david.lee@email.com', 1100],
[3005, 'Sophia Chen', 'Miami', 'sophia.chen@email.com', 900],
[3006, 'Michael Wilson', 'Seattle', 'michael.wilson@email.com', 1300],
[3007, 'Emma Brown', 'Dallas', 'emma.brown@email.com', 950],
[3008, 'Daniel Miller', 'Boston', 'daniel.miller@email.com', 1050],
];
```

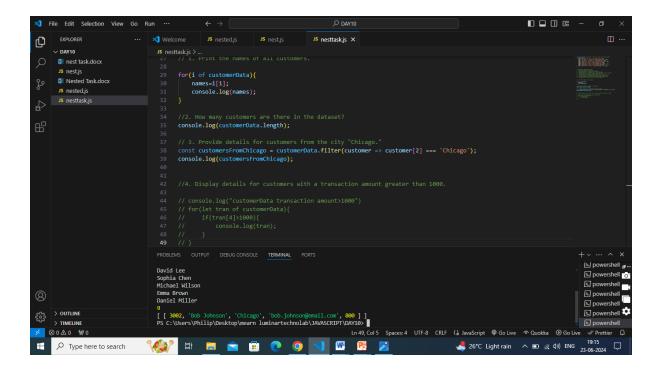
// 1. Print the names of all customers.



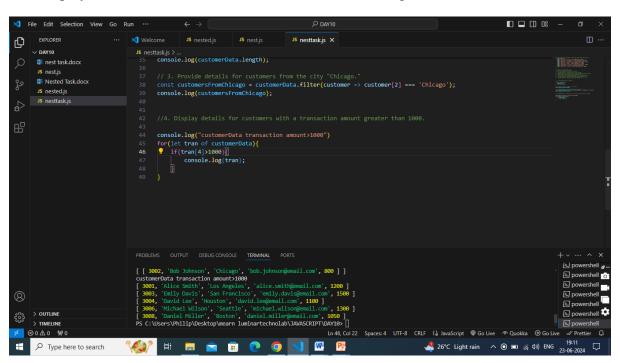
// 2. How many customers are there in the dataset?



// 3. Provide details for customers from the city "Chicago."



// 4. Display details for customers with a transaction amount greater than 1000.



// 5. Retrieve the details of the customer named "David Lee."

```
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// 6. Sort customers in descending order based on their transaction amount.

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```

// 7. Arrange customers in ascending order based on their customer ID.

```
Ð
                                                        //6. Sort customers in descending order based on their transaction amount
console.log("Descending order");
customerData.sort((tran1,tran2) => tran2[4]-tran1[4]);
console.log(customerData);
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          JS nest.js
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         JS nested.js
                                                        console.log("customer ID");
console.log(customerData.sort((c1,c2)=>c1[0]-c2[0]));
         JS tasknest.is
                                                         // 8. How many customers have a transaction amount between 900 and 1100?
console.log("customer transaction")
for (i of customerData)
    if(1[4]9900 && 1[4]
1100
                                                    [ 3005, 'Sophia Chen', 'Miami', 'sophia.chen@email.com', 900 ],
[ 3002, 'Bob Johnson', 'Chicago', 'bob.johnson@email.com', 800 ]
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// 8. How many customers have a transaction amount between 900 and 1100?

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                                              //6. Sort customers in descending order based on their transaction amount
console.log("Descending order");
customerData.sort((tran1,tran2) => tran2[4]-tran1[4]);
console.log(customerData);
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                                               \label{log:console.log("customer ID");} const sortedByIdAscending = [...customerData].sort((a, b) \Rightarrow a[\theta] - b[\theta]); console.log("Customers sorted by ID (ascending):", sortedByIdAscending);
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// 9. Provide details for customers who are not from New York.

```
D DAY10
                                                                                                                                                                                                                                                             Ð
                                                               77. Arrange customers in ascending order based on their customer ID.

65

66 console.log("customer ID");

67 const sortedByIdAscending = [...customerData].sort((a, b) => a[0] - b[0]);

68 console.log("Customers sorted by ID (ascending);", sortedByIdAscending);
            -$sted Task.docx
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                                                                        3003, 'Emily Davis', 'San Francisco', 'emily.davis@email.com', 1500 ]
3005, 'Michael Milson', 'Seattle', 'michael.wilson@email.com', 1300 ]
3001, 'Alice Smith', 'Los Angeles', 'alice.smith@email.com', 1200 ]
3004, 'David tee, 'Houston', 'david.e@email.com', 1100 ]
3008, 'Daniel Miller', 'Boston', 'daniel.miller@email.com', 1050 ]
3007, 'Emma Broam', 'Dallas', 'emma.broam@email.com', 950 ]
3005, 'Sophia Chen', 'Miami', 'sophia.chen@email.com', 900 ]
3002, 'Bob Johnson', 'Chicago', 'bob.johnson@email.com', 800 ]
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// 10. Print the average transaction amount for all customers.

