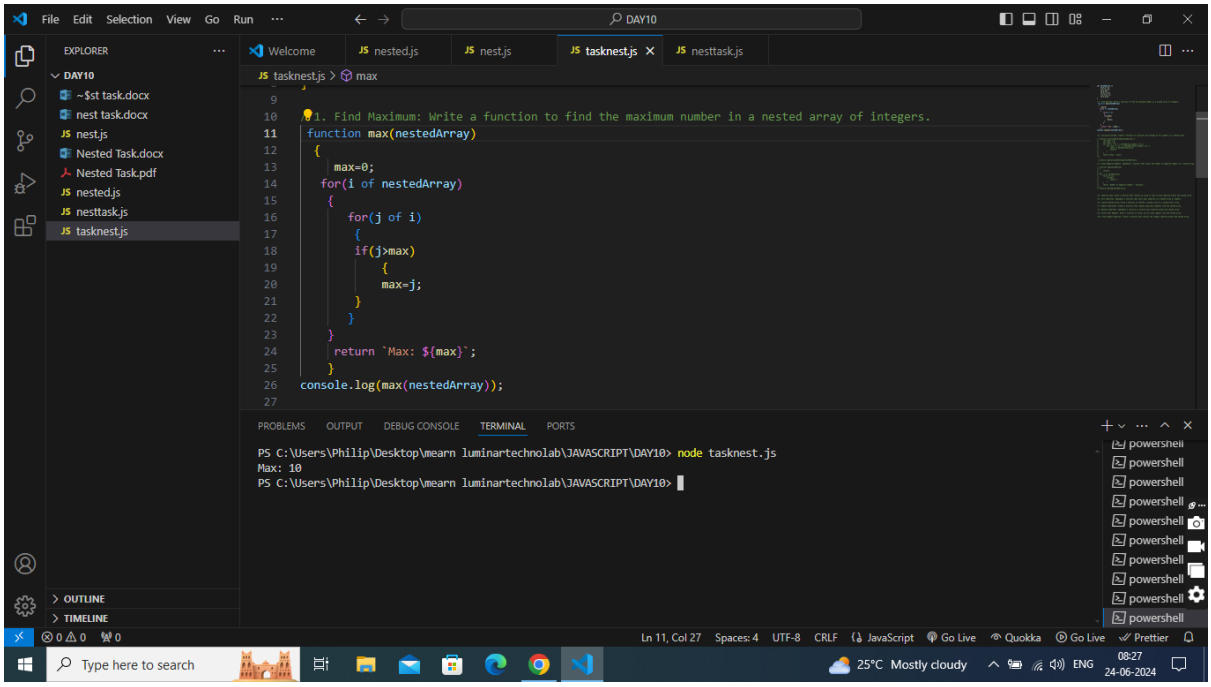
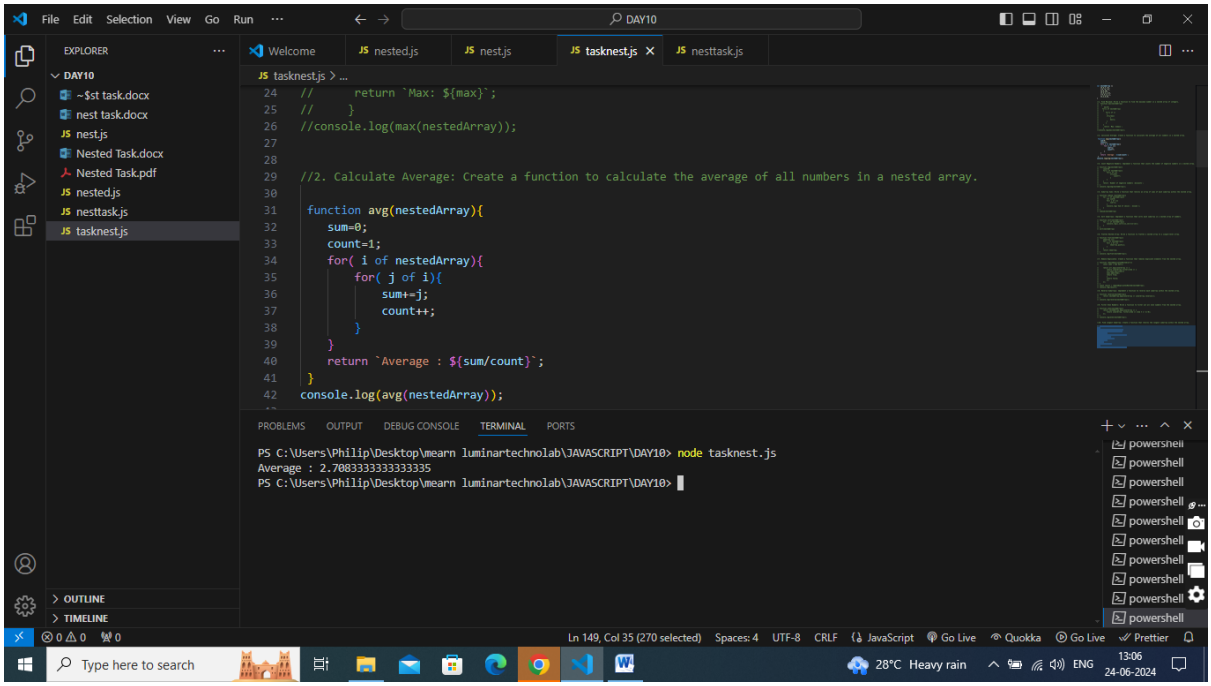
TASK2

```
var nestedArray =[
    [5,6,7,-2],
    [-5,-6,-7],
    [8,9,10],
    [3,5,2,1,4],
    [-3,5,2,1,],
    [4,2,6,8],
]
```

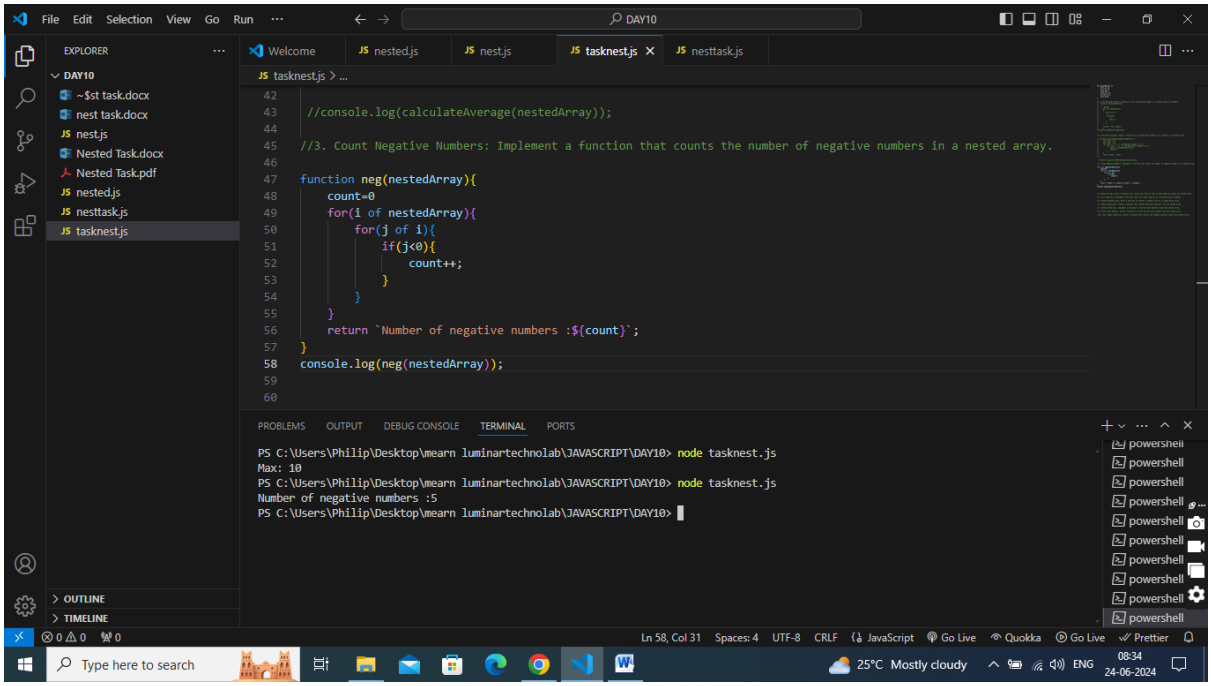
//1. Find Maximum: Write a function to find the maximum number in a nested array of integers.



//2. Calculate Average: Create a function to calculate the average of all numbers in a nested array.



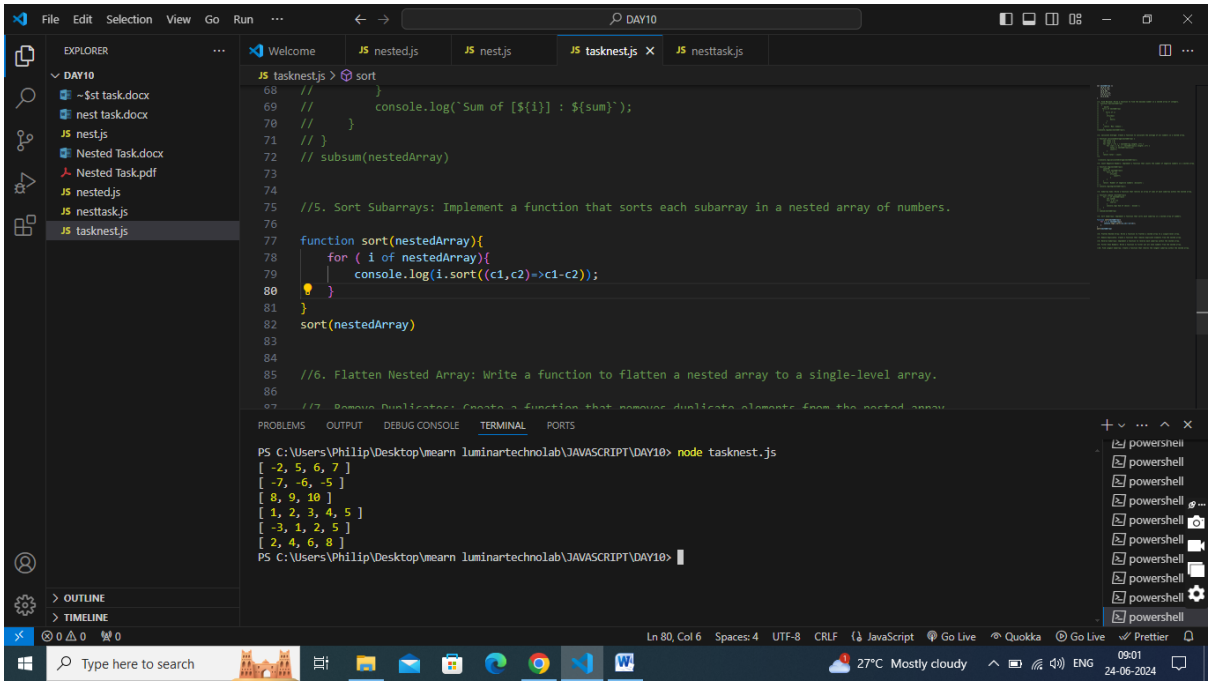
//3. Count Negative Numbers: Implement a function that counts the number of negative numbers in a nested array.



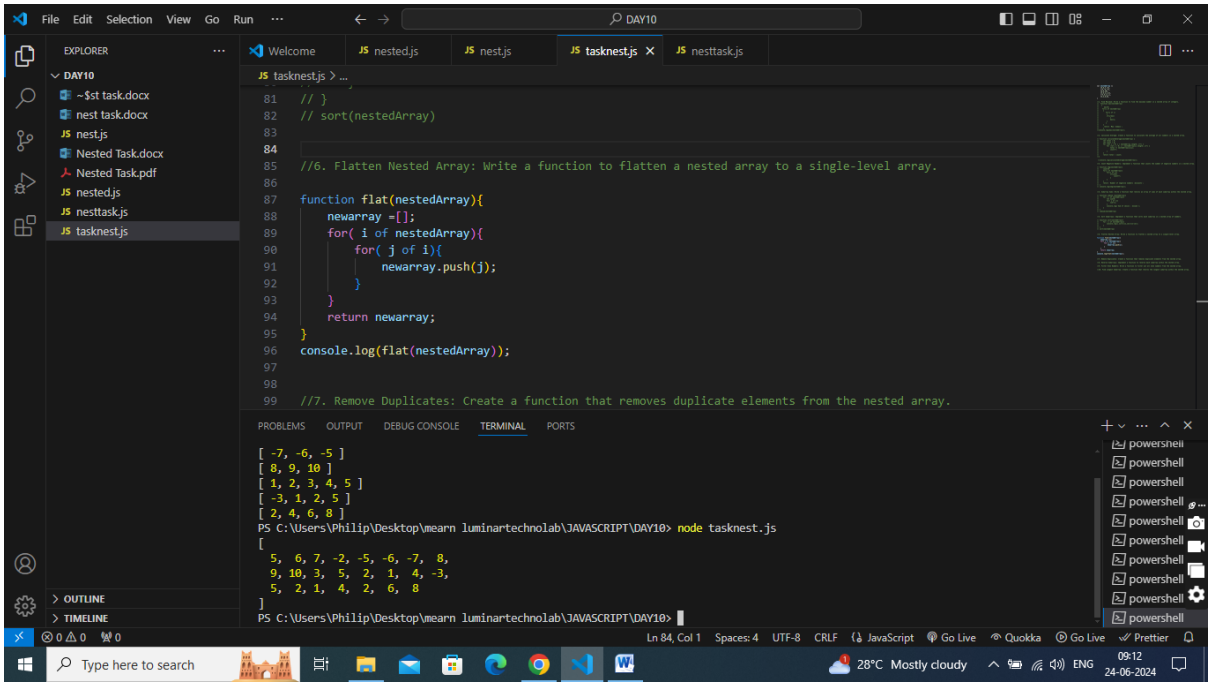
//4. Subarray Sums: Write a function that returns an array of sums of each subarray within the nested array.

```
59
60
61  //4. Subarray Sums: Write a function that returns an array of sums of each subarray within the nested array.
62
63  function subsum (nestedArray){
64      for ( i of nestedArray){
65          let sum=0;
66          for( j of i){
67              sum+=j;
68          }
69          console.log(`Sum of [${i}] : ${sum}`);
70      }
71  }
72  subsum(nestedArray)
73
74
75
```

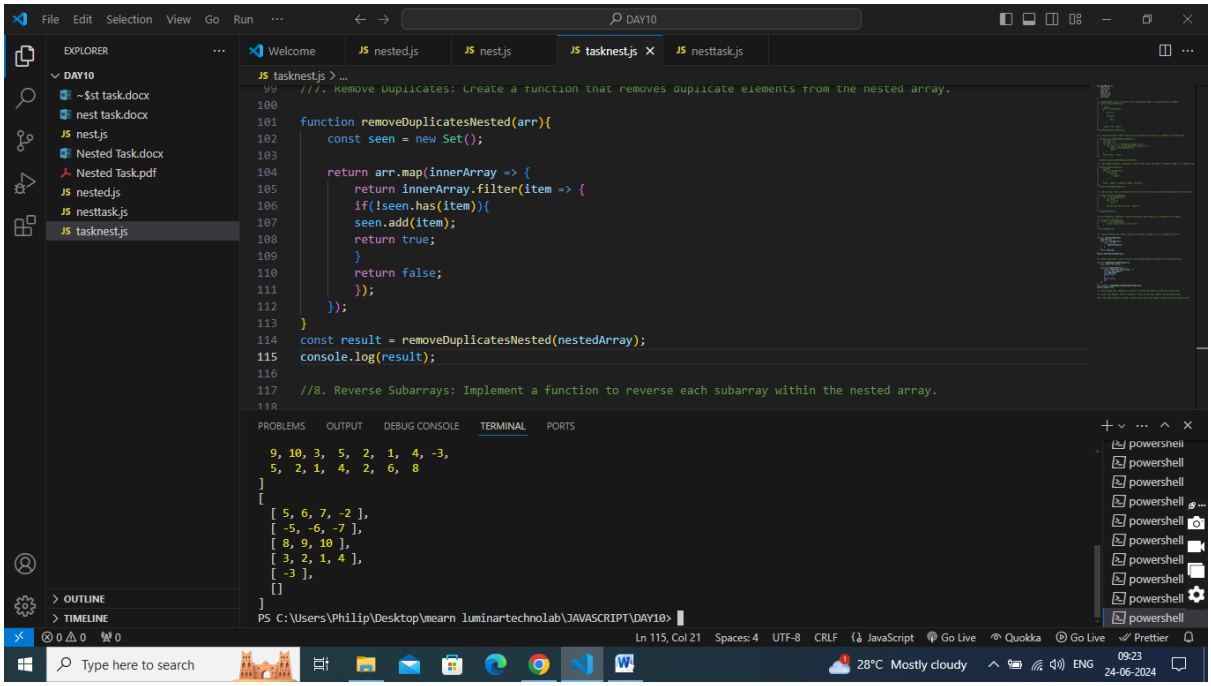
//5. Sort Subarrays: Implement a function that sorts each subarray in a nested array of numbers.



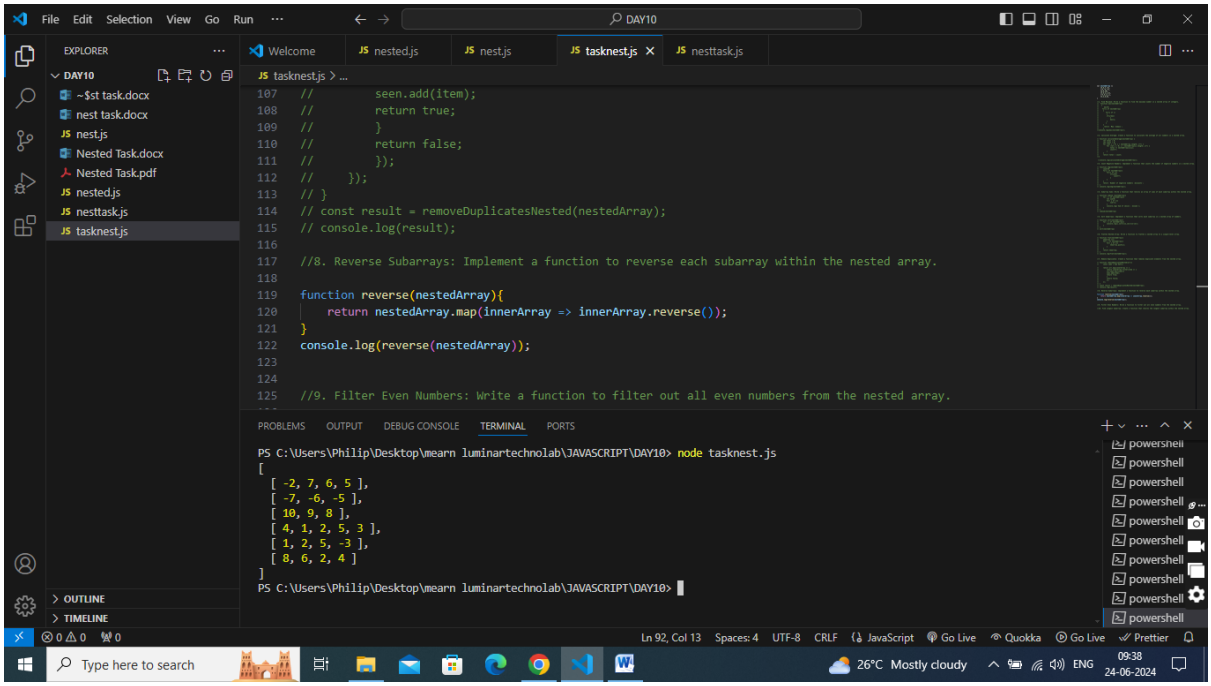
//6. Flatten Nested Array: Write a function to flatten a nested array to a single-level array.



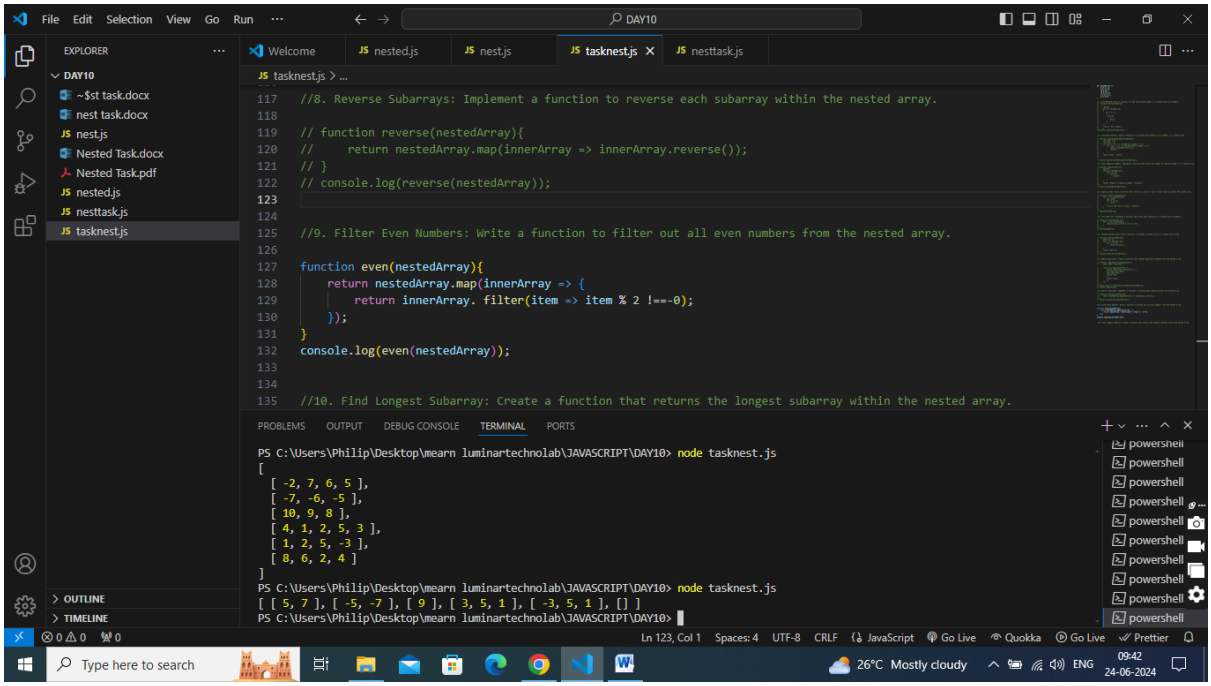
//7. Remove Duplicates: Create a function that removes duplicate elements from the nested array.



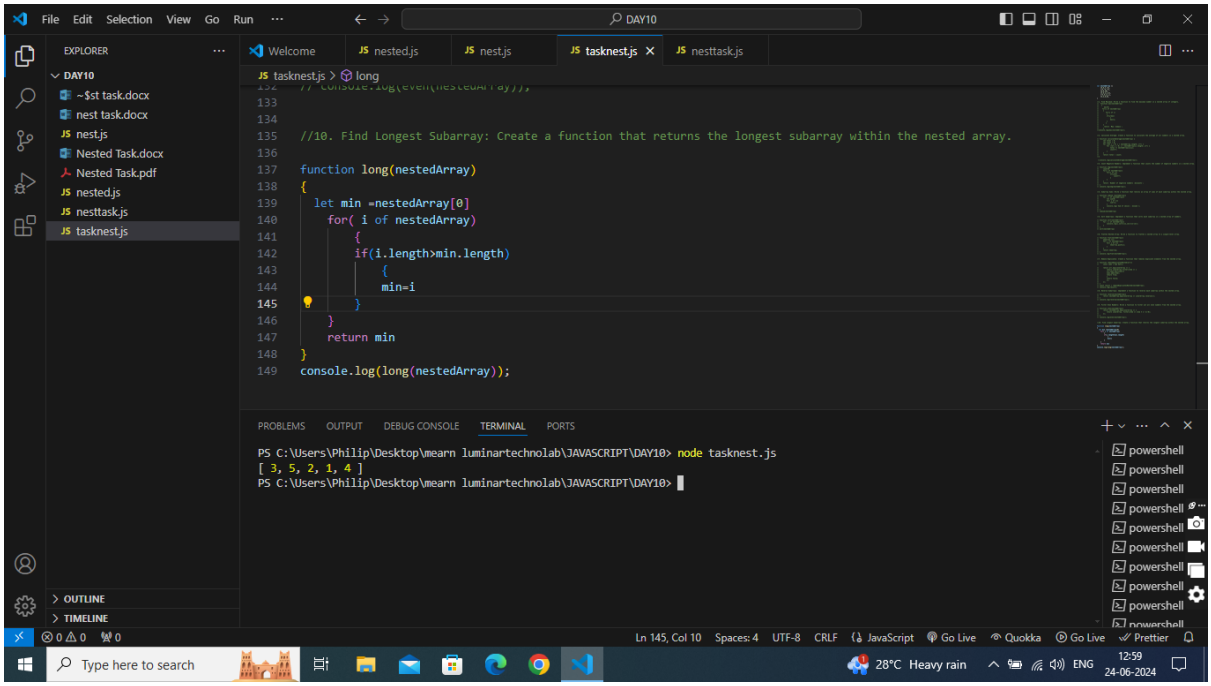
//8. Reverse Subarrays: Implement a function to reverse each subarray within the nested array.



//9. Filter Even Numbers: Write a function to filter out all even numbers from the nested array.



//10. Find Longest Subarray: Create a function that returns the longest subarray within the nested array.


File Edit Selection View Go Run
DAY10
EXPLORER
DAY10
~$st task.docx
nest task.docx
nest.js
Nested Task.docx
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nested.js
nesttask.js
tasknest.js
Welcome
nested.js
nest.js
tasknest.js
nesttask.js
tasknest.js > long
//10. Find Longest Subarray: Create a function that returns the longest subarray within the nested array.
function long(nestedArray)
{
let min =nestedArray[0]
for(i of nestedArray)
{
if(i.length>min.length)
{
min=i
}
}
return min
}
console.log(long(nestedArray));
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY10> node tasknest.js
[3, 5, 2, 1, 4]
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY10>
powershell
OUTLINE
TIMELINE
Ln 145, Col 10 Spaces: 4 UTF-8 CRLF JavaScript Go Live Quokka Go Live Prettier
Type here to search
28°C Heavy rain
ENG
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24-06-2024