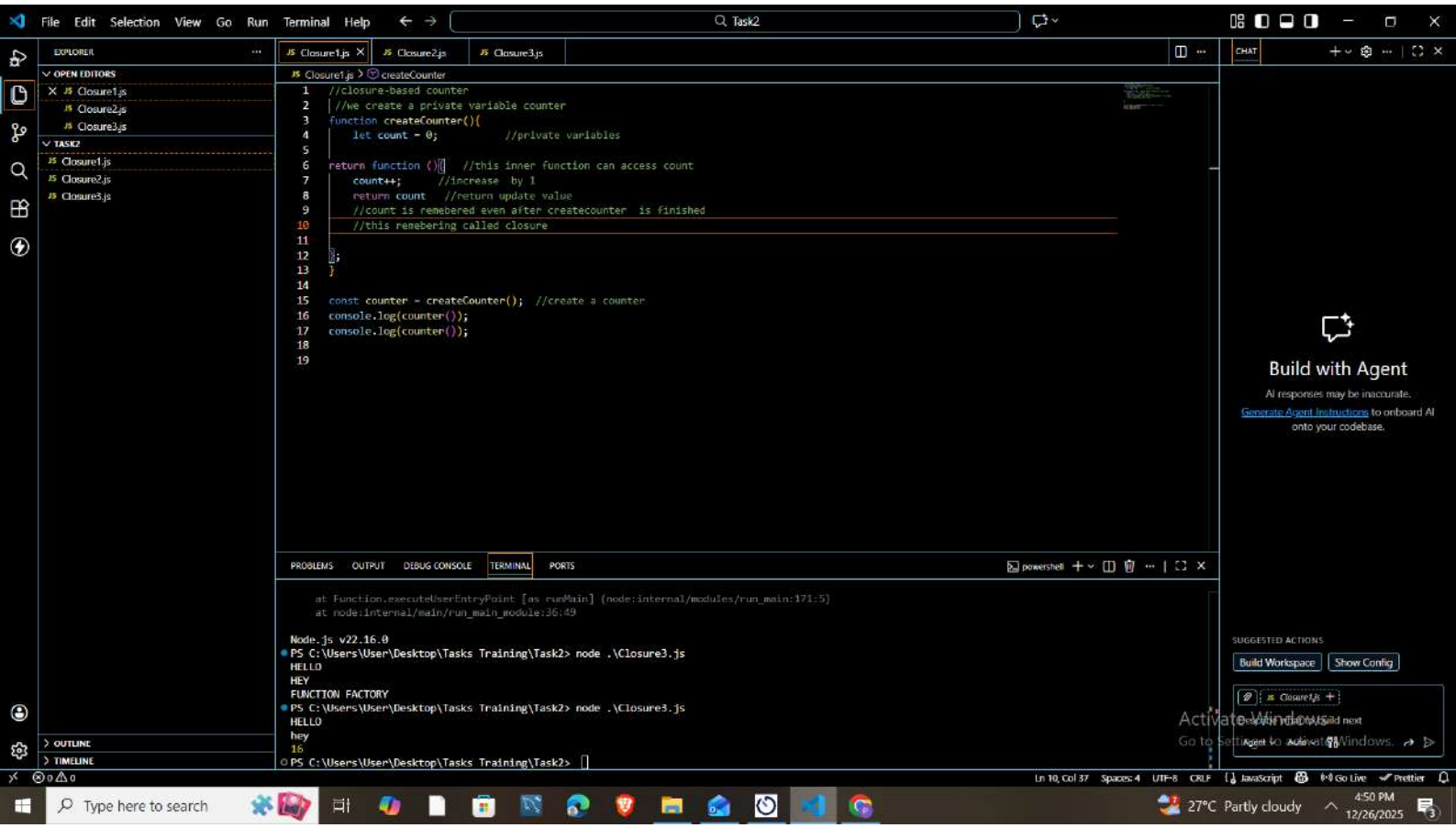
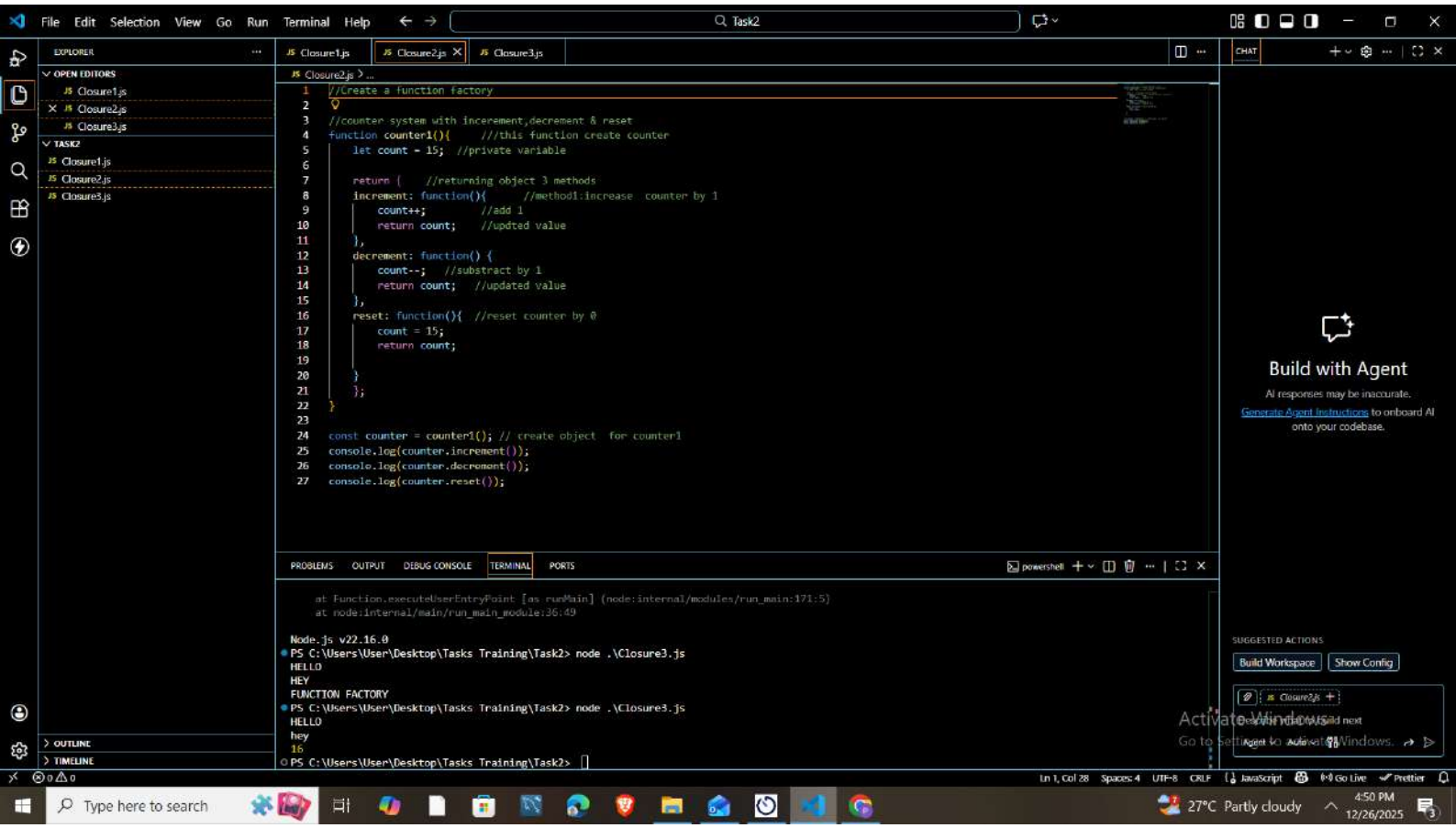

File Edit Selection View Go Run Terminal Help
Task2
EXPLORER
OPEN EDITORS
Closure1.js
Closure2.js
Closure3.js
TASK2
Closure1.js
Closure2.js
Closure3.js
Closure1.js > createCounter
//closure-based counter
//we create a private variable counter
function createCounter(){
let count = 0; //private variables
return function (){ //this inner function can access count
count++; //increase by 1
return count //return update value
//count is remebered even after createcounter is finished
//this remebering called closure
};
}
const counter = createCounter(); //create a counter
console.log(counter());
console.log(counter());
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:171:5)
at node:internal/main/run_main_module:36:49
Node.js v22.16.0
PS C:\Users\User\Desktop\Tasks Training\Task2> node .\Closure3.js
HELLO
HEY
FUNCTION FACTORY
PS C:\Users\User\Desktop\Tasks Training\Task2> node .\Closure3.js
HELLO
hey
16
PS C:\Users\User\Desktop\Tasks Training\Task2>
CHAT
Build with Agent
AI responses may be inaccurate.
Generate Agent Instructions to onboard AI onto your codebase.
SUGGESTED ACTIONS
Build Workspace
Show Config
OUTLINE
TIMELINE
Ln 10, Col 37 Spaces: 4 UTF-8 CRLF JavaScript Go Live Prettier
Type here to search
27°C Partly cloudy
4:50 PM
12/26/2025


File Edit Selection View Go Run Terminal Help
Task2
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Closure1.js
Closure2.js
Closure3.js
TASK2
Closure1.js
Closure2.js
Closure3.js
OUTLINE
TIMELINE
Closure1.js
Closure2.js
Closure3.js
Closure2.js > ...
//Create a function factory
//counter system with incerement,decrement & reset
function counter1(){ ///this function create counter
let count = 15; //private variable
return { //returning object 3 methods
increment: function(){ //method1:increase counter by 1
count++; //add 1
return count; //updted value
},
decrement: function() {
count--; //substract by 1
return count; //updated value
},
reset: function(){ //reset counter by @
count = 15;
return count;
}
};
}
const counter = counter1(); // create object for counter1
console.log(counter.increment());
console.log(counter.decrement());
console.log(counter.reset());
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:171:5)
at node:internal/main/run_main_module:36:49
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HEY
FUNCTION FACTORY
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HELLO
hey
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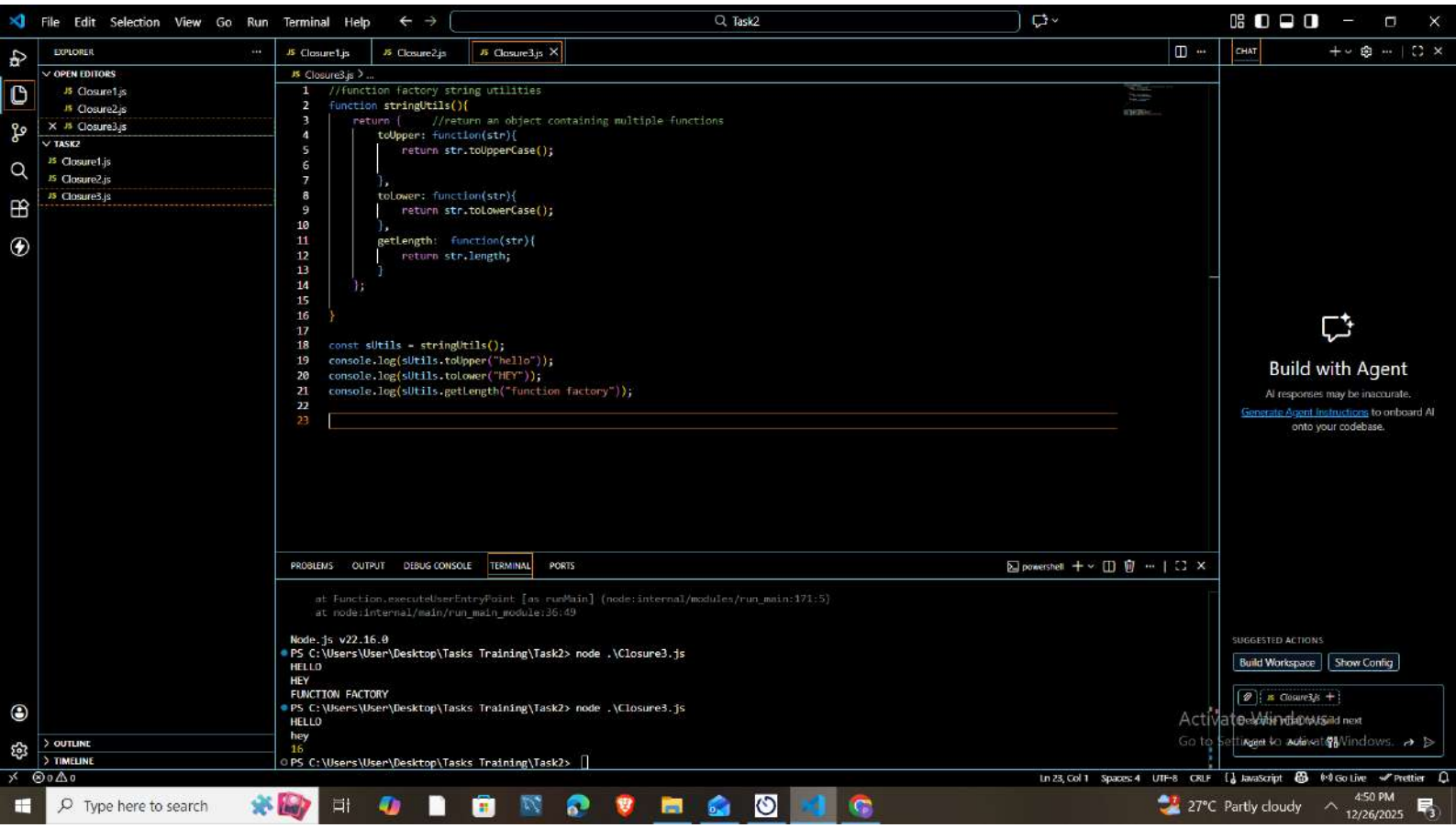
SUGGESTED ACTIONS
Build Workspace
Show Config
Activate Windows
Go to Settings to activate Windows.
Ln 1, Col 28 Spaces: 4 UTF-8 CRLF JavaScript Go Live Prettier
Type here to search
27°C Partly cloudy
4:50 PM
12/26/2025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Task2
EXPLORER
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Closure1.js
Closure2.js
Closure3.js
TASK2
Closure1.js
Closure2.js
Closure3.js
Closure1.js
Closure2.js
Closure3.js
Closure3.js > ...
1 //function factory string utilities
2 function stringUtils(){
3 return { //return an object containing multiple functions
4 toUpper: function(str){
5 return str.toUpperCase();
6
7 },
8 toLower: function(str){
9 return str.toLowerCase();
10 },
11 getLength: function(str){
12 return str.length;
13 }
14 };
15
16 }
17
18 const sUtils = stringUtils();
19 console.log(sUtils.toUpper("hello"));
20 console.log(sUtils.toLower("HEY"));
21 console.log(sUtils.getLength("function factory"));
22
23
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
powershell
at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:171:5)
at node:internal/main/run_main_module:36:49
Node.js v22.16.0
PS C:\Users\User\Desktop\Tasks Training\Task2> node .\Closure3.js
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Build Workspace
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Go to Settings to activate Windows.
Ln 23, Col 1 Spaces: 4 UTF-8 CRLF JavaScript Go Live Prettier
Type here to search
27°C Partly cloudy
4:50 PM
12/26/2025