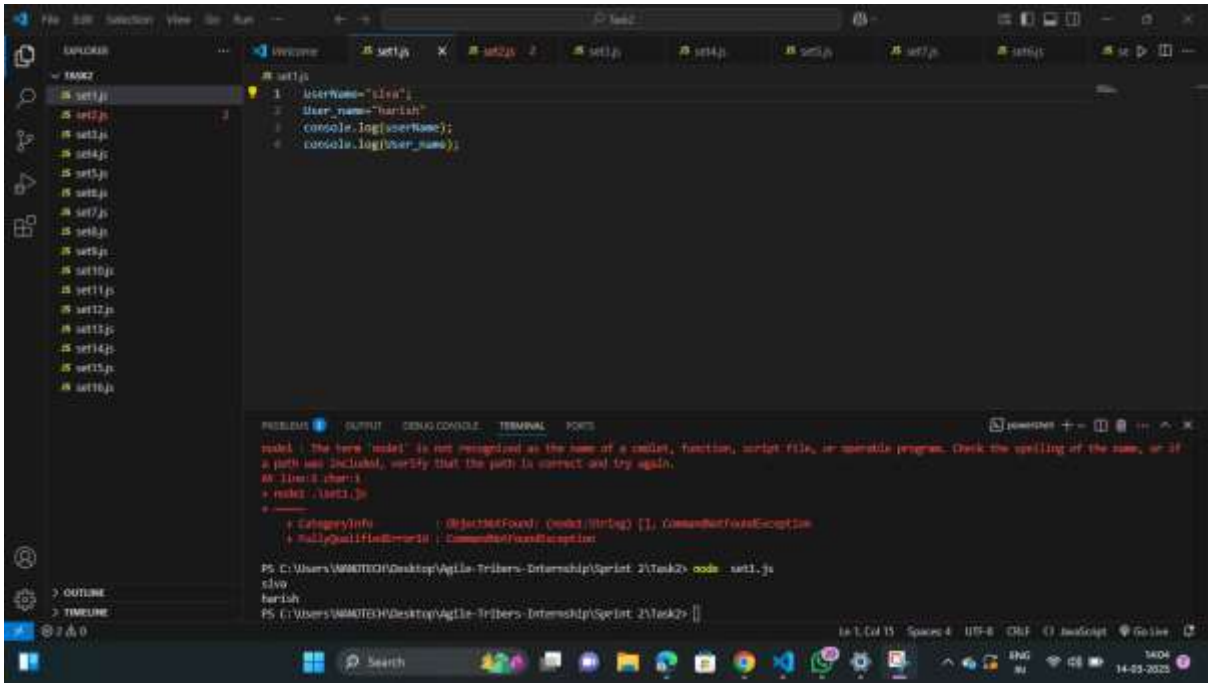
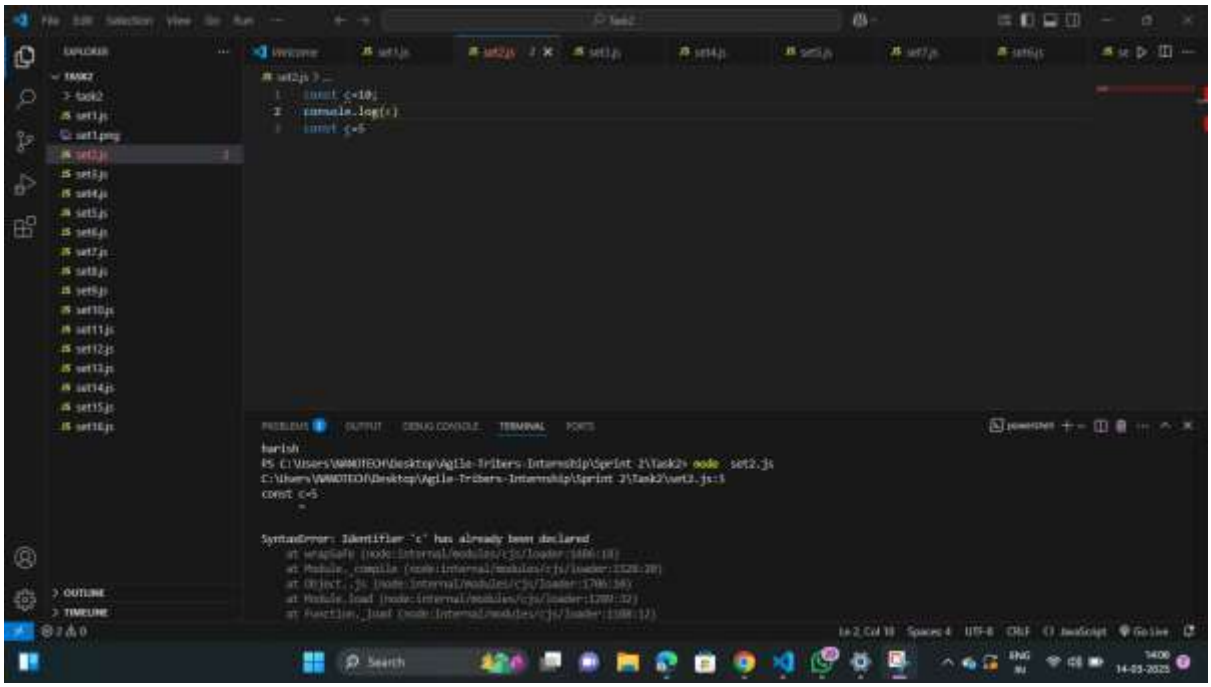
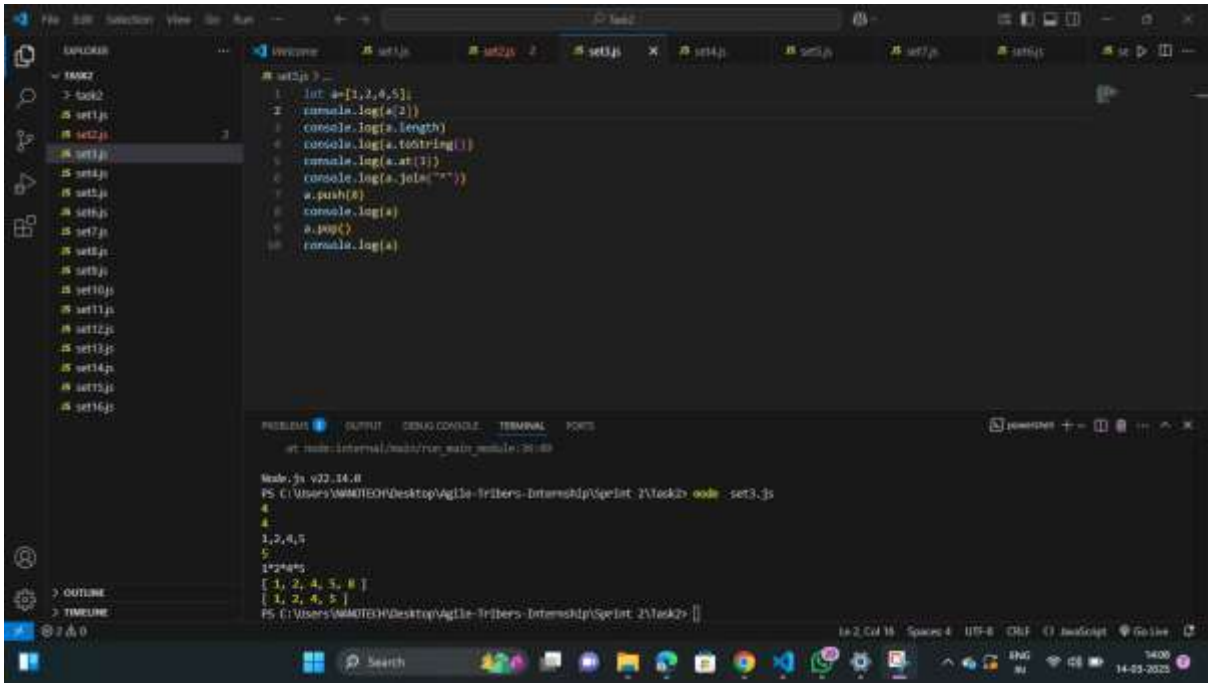
Set1


userName="siva";
User_name="harish"
console.log(userName);
console.log(User_name);
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set1.js
siva
harish
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

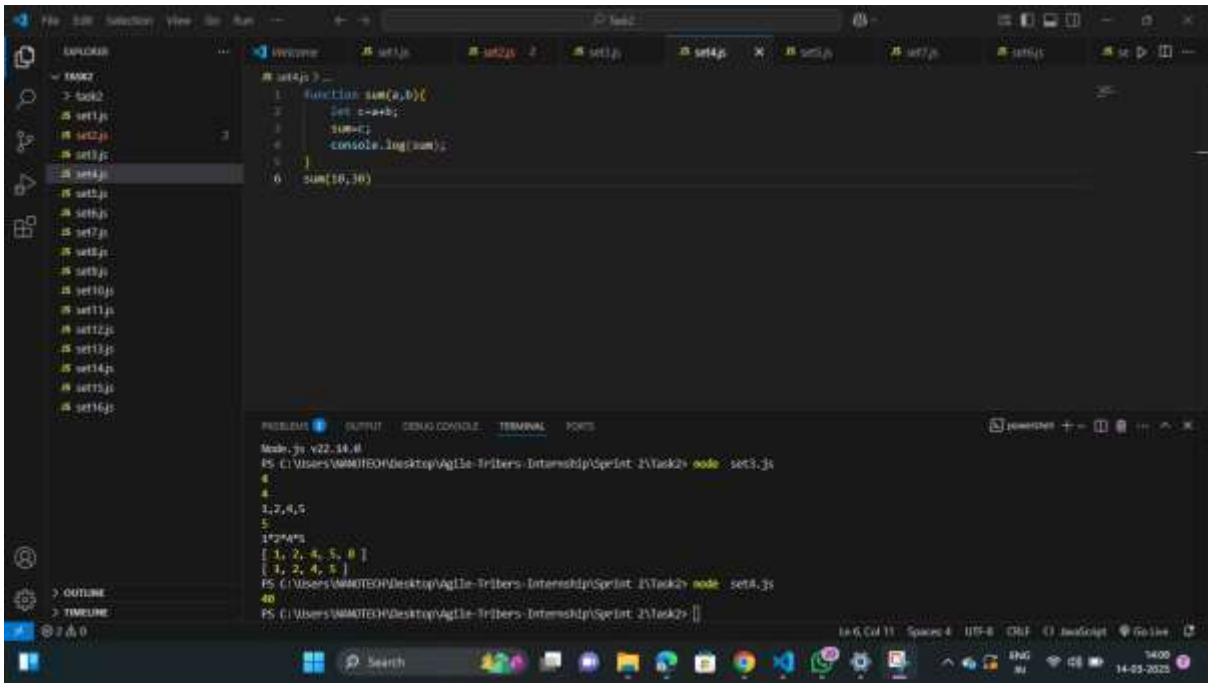
Set2


const c=10;
console.log(c)
const c=5
harish
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set2.js
CONST c=5
SyntaxError: Identifier 'c' has already been declared

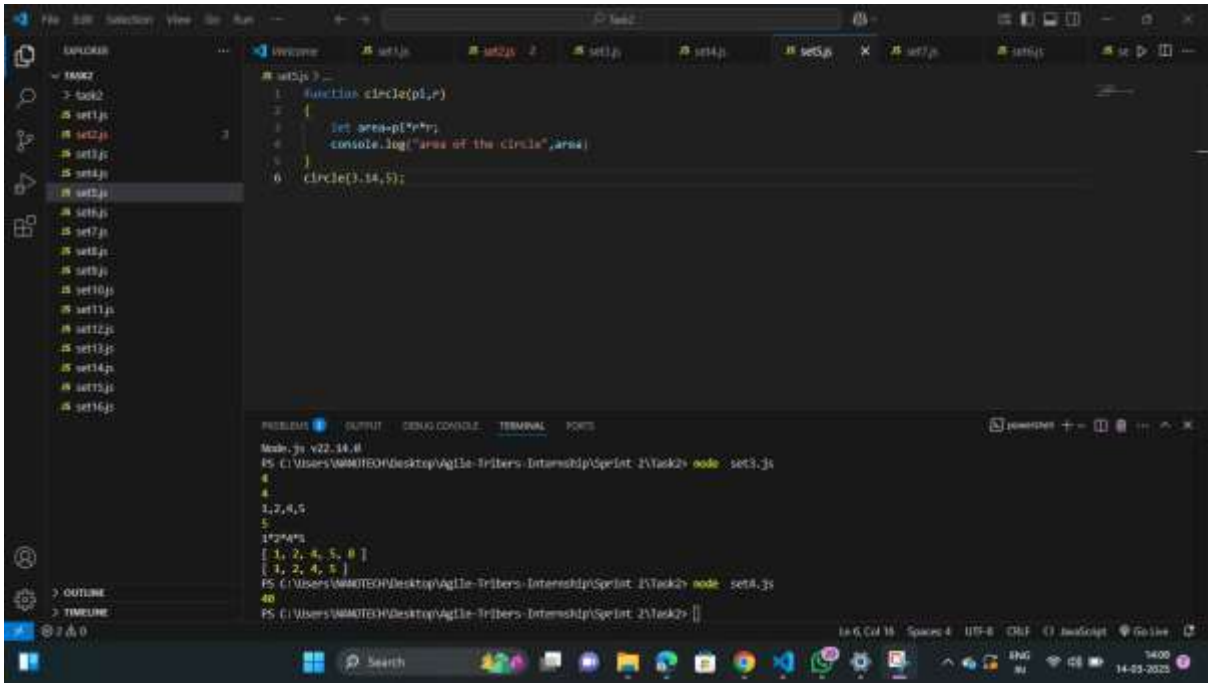
Set3


let a=[1,2,4,5];
console.log(a[2])
console.log(a.length)
console.log(a.toString())
console.log(a.at(3))
console.log(a.join("*"))
a.push(8)
console.log(a)
a.pop()
console.log(a)
Node.js v22.14.0
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\task2> node set3.js
4
4
1,2,4,5
5
1*2*4*5
[1, 2, 4, 5, 8]
[1, 2, 4, 5]
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\task2>

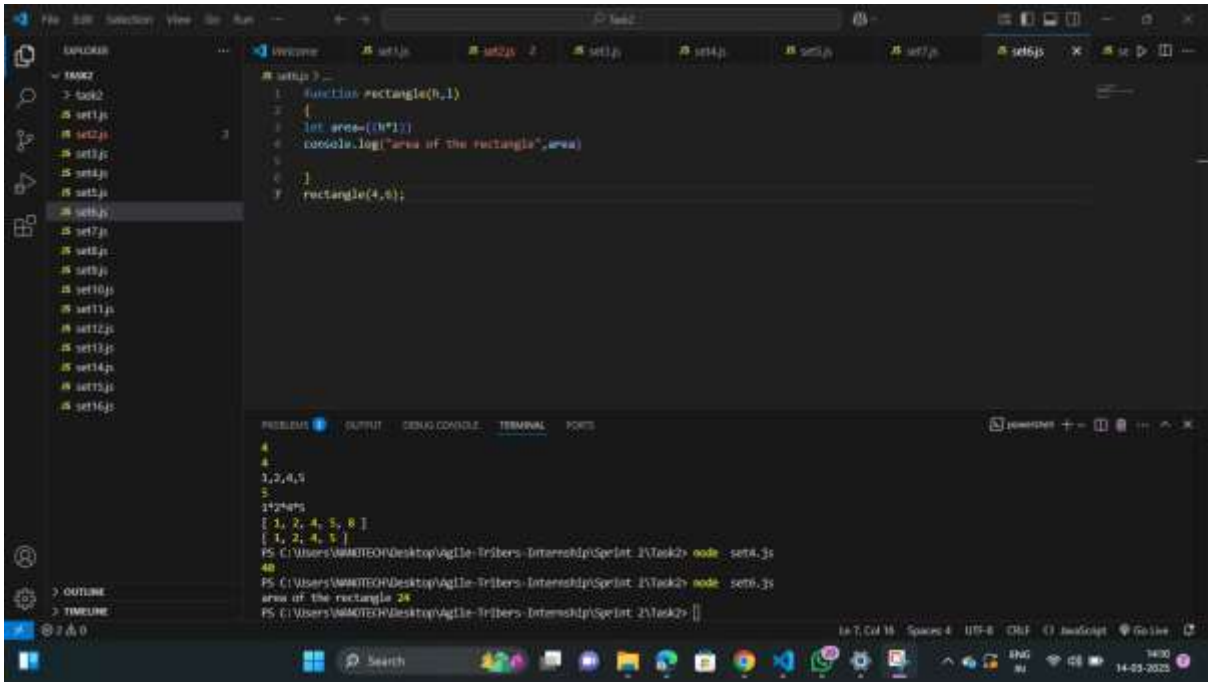
Set4


function sum(a,b){
let c=a+b;
sum=c;
console.log(sum);
}
sum(10,30)
Node.js v22.14.0
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\task2> node set3.js
4
4
1,2,4,5
5
1*2*4*5
[1, 2, 4, 5, 8]
[1, 2, 4, 5]
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\task2> node set4.js
40
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\task2>

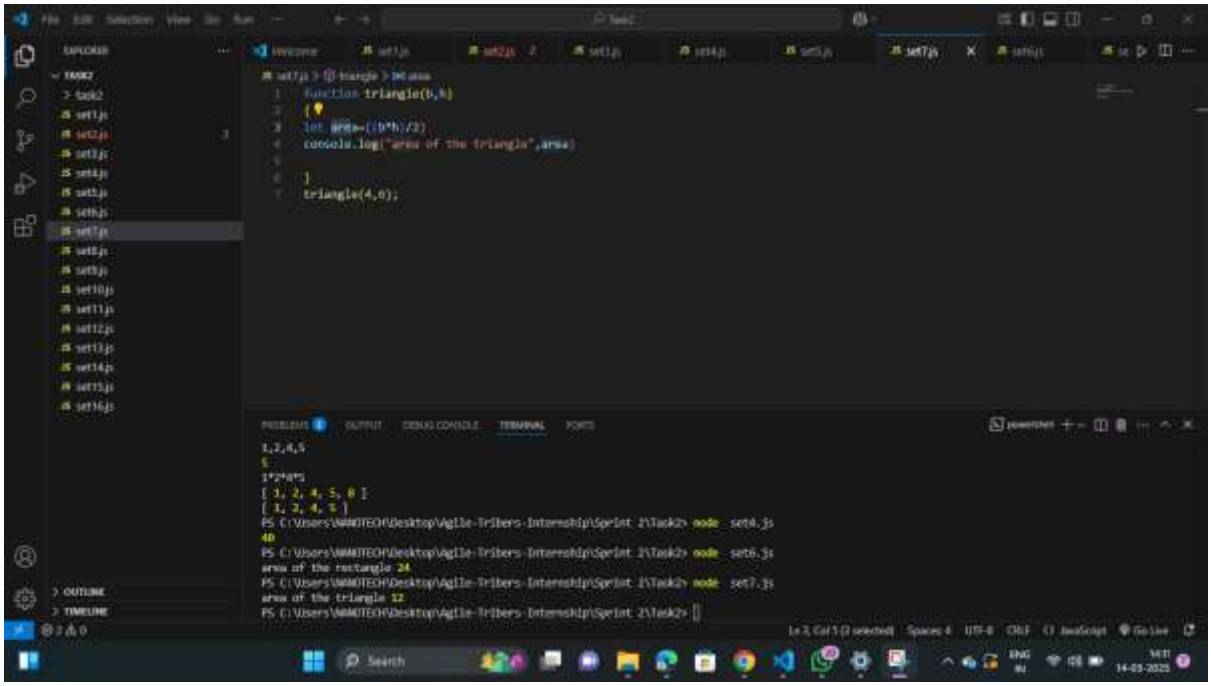
Set5


function circle(pi,r)
{
let area=pi*r*r;
console.log("area of the circle",area)
}
circle(3.14,5);
Node.js v22.14.0
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set3.js
4
4
1,2,4,5
5
1*2*4*5
[1, 2, 4, 5, 8]
[1, 2, 4, 5]
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set4.js
40
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

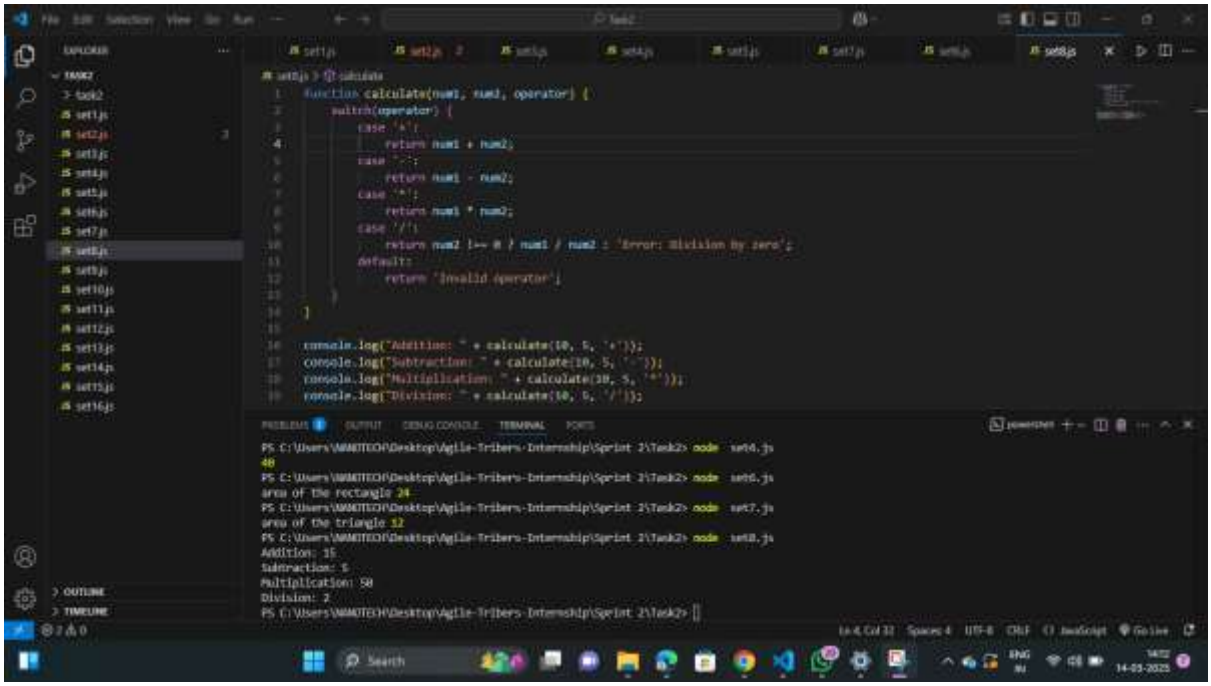
Set6


function rectangle(h,l)
{
let area=(h*l)
console.log("area of the rectangle",area)
}
rectangle(4,6);
4
4
1,2,4,5
5
1*2*4*5
[1, 2, 4, 5, 8]
[1, 2, 4, 5]
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set4.js
40
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set6.js
area of the rectangle 24
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

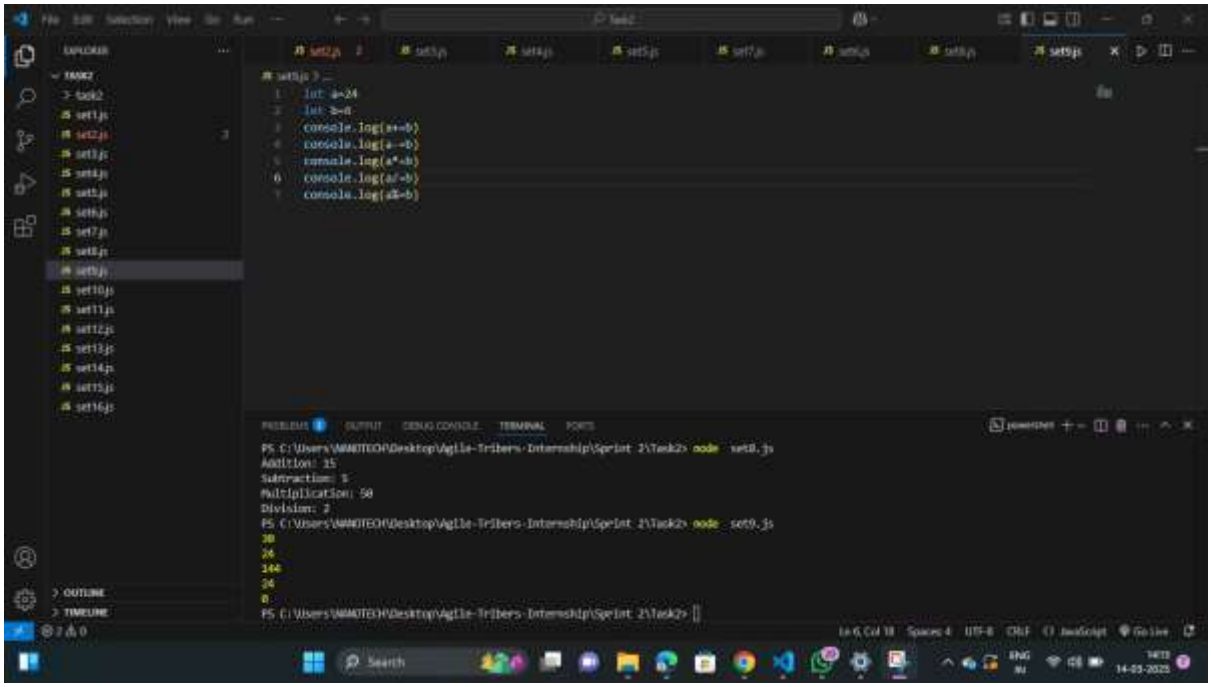
Set7


function triangle(b,h)
{
let area=(b*h)/2)
console.log("area of the triangle",area)
}
triangle(4,6);
1,2,4,5
5
1*2*4*5
[1, 2, 4, 5, 8]
[1, 2, 4, 5]
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set4.js
40
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set6.js
area of the rectangle 24
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set7.js
area of the triangle 12
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

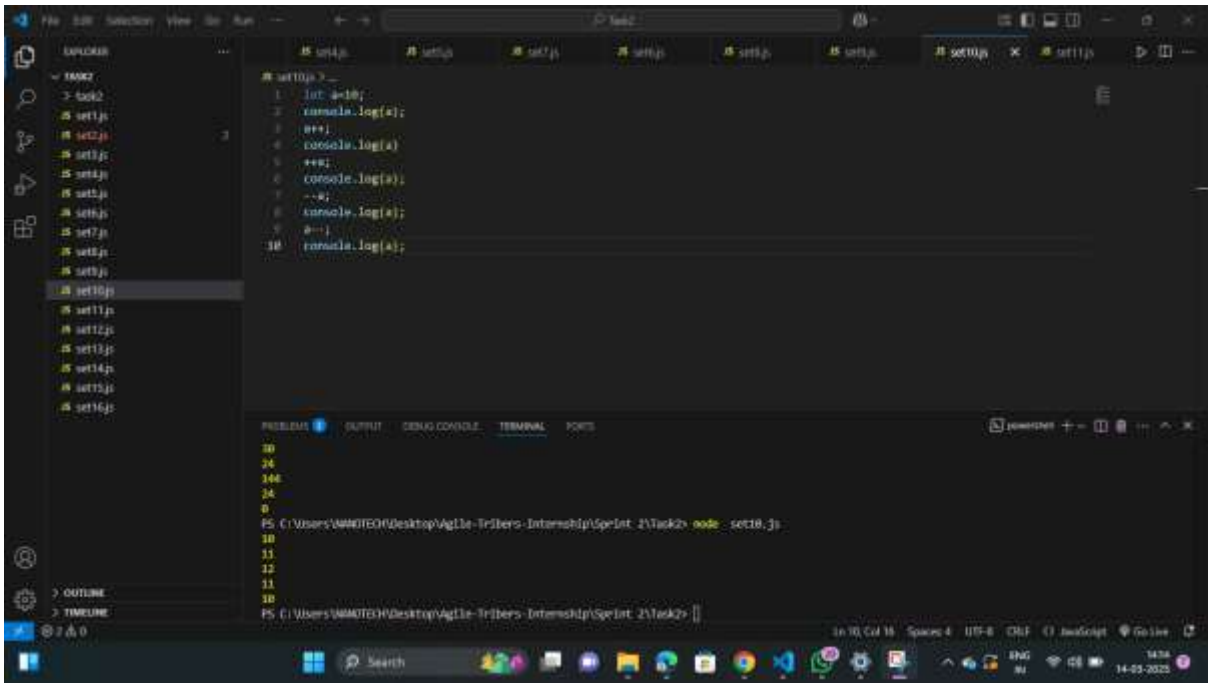
Set8


function calculate(num1, num2, operator) {
switch(operator) {
case '+':
return num1 + num2;
case '-':
return num1 - num2;
case '*':
return num1 * num2;
case '/':
return num2 !== 0 ? num1 / num2 : 'Error: Division by zero';
default:
return 'Invalid operator';
}
}
console.log("Addition: " + calculate(10, 5, '+'));
console.log("Subtraction: " + calculate(10, 5, '-'));
console.log("Multiplication: " + calculate(10, 5, '*'));
console.log("Division: " + calculate(10, 5, '/'));
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set4.js
40
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set6.js
area of the rectangle 24
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set7.js
area of the triangle 12
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set8.js
Addition: 15
Subtraction: 5
Multiplication: 50
Division: 2
PS C:\Users\WAMITECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

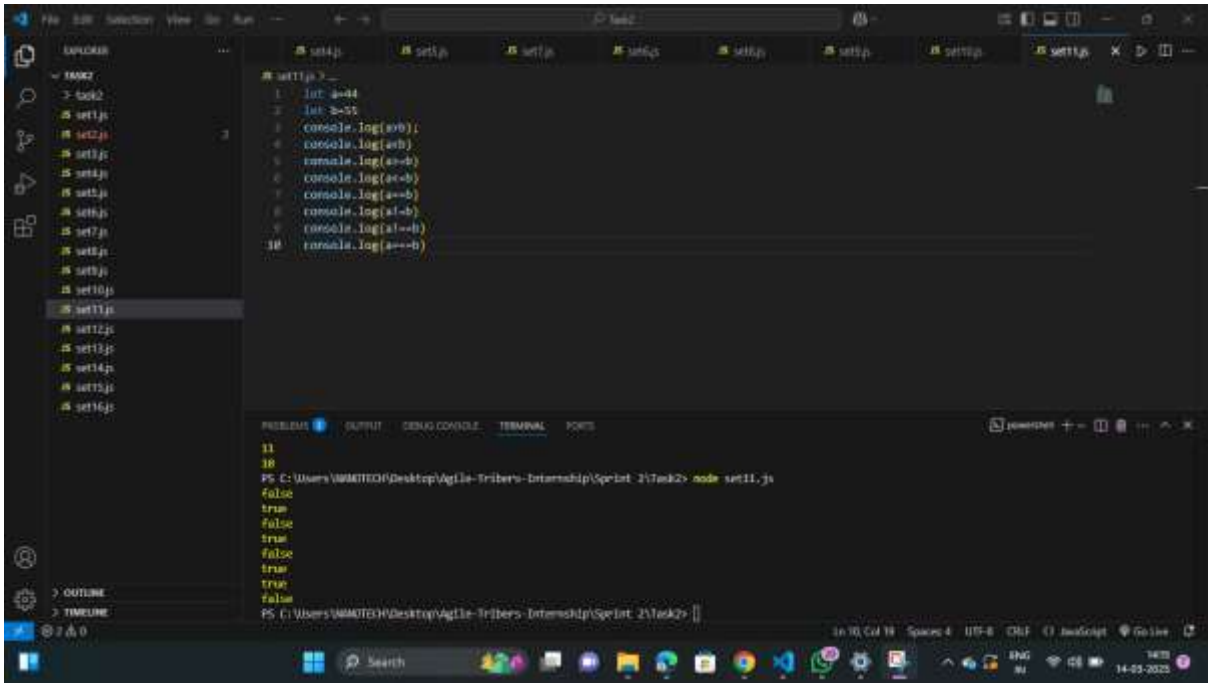
Set9


let a=24
let b=6
console.log(a+b)
console.log(a-b)
console.log(a*b)
console.log(a/b)
console.log(a%b)
PS C:\Users\HAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set8.js
Addition: 15
Subtraction: 5
Multiplication: 50
Division: 2
PS C:\Users\HAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set9.js
30
24
144
4
0
PS C:\Users\HAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

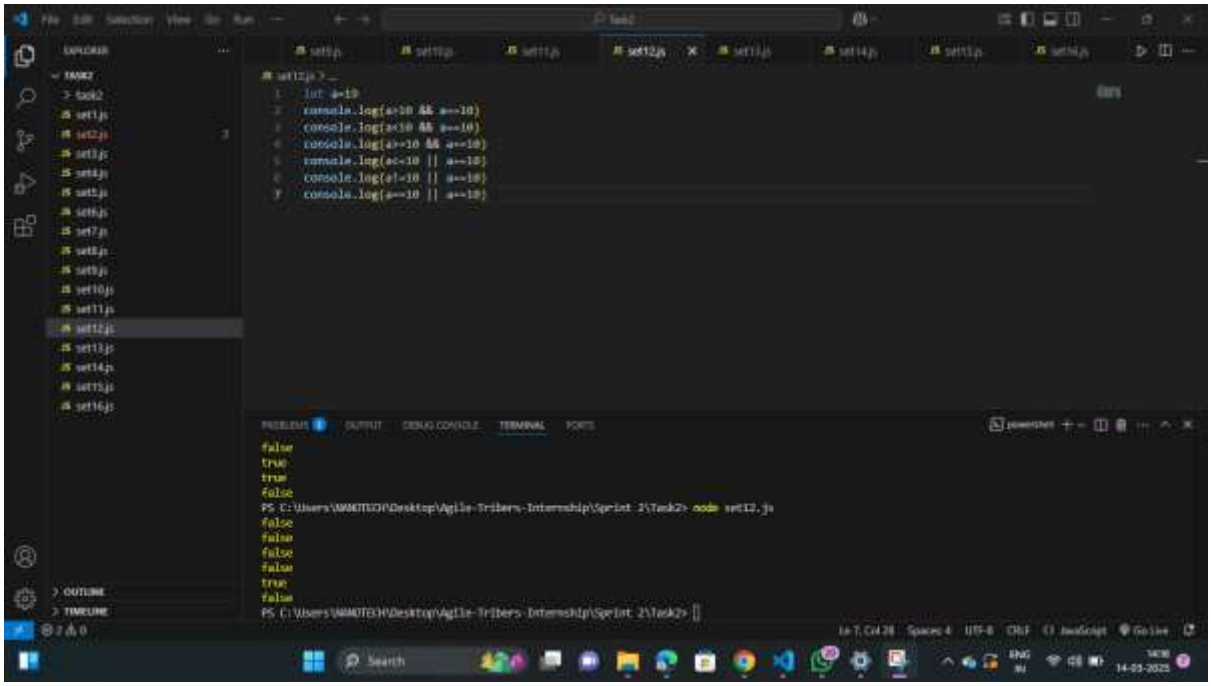
Set10


let a=10;
console.log(a);
a++;
console.log(a)
++a;
console.log(a);
--a;
console.log(a);
a--;
console.log(a);
30
24
144
4
0
PS C:\Users\HAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set10.js
10
11
12
11
10
PS C:\Users\HAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

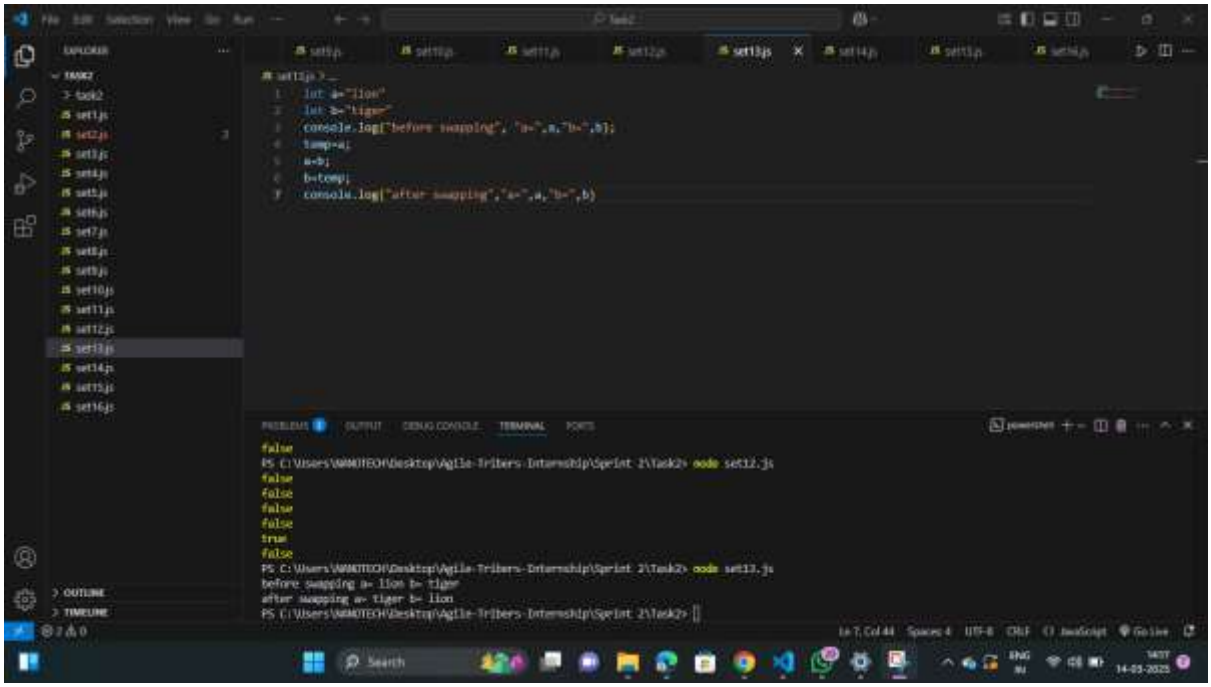
Set11


let a=44
let b=55
console.log(a>b);
console.log(a<b)
console.log(a>=b)
console.log(a<=b)
console.log(a==b)
console.log(a!=b)
console.log(a!==b)
console.log(a===b)
11
10
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set11.js
false
true
false
true
false
true
true
false

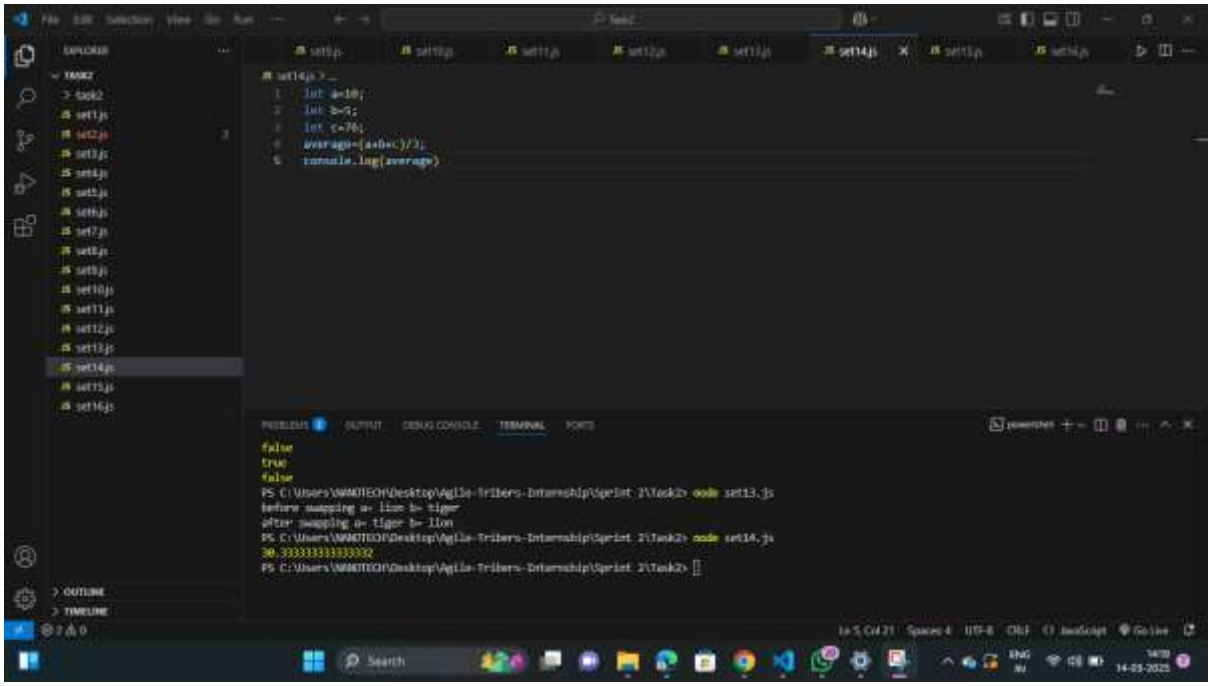
Set12


let a=10
console.log(a>10 && a==10)
console.log(a<10 && a==10)
console.log(a>=10 && a==10)
console.log(a<=10 || a==10)
console.log(a!=10 || a==10)
console.log(a==10 || a==10)
false
true
true
false
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set12.js
false
false
false
false
true
false

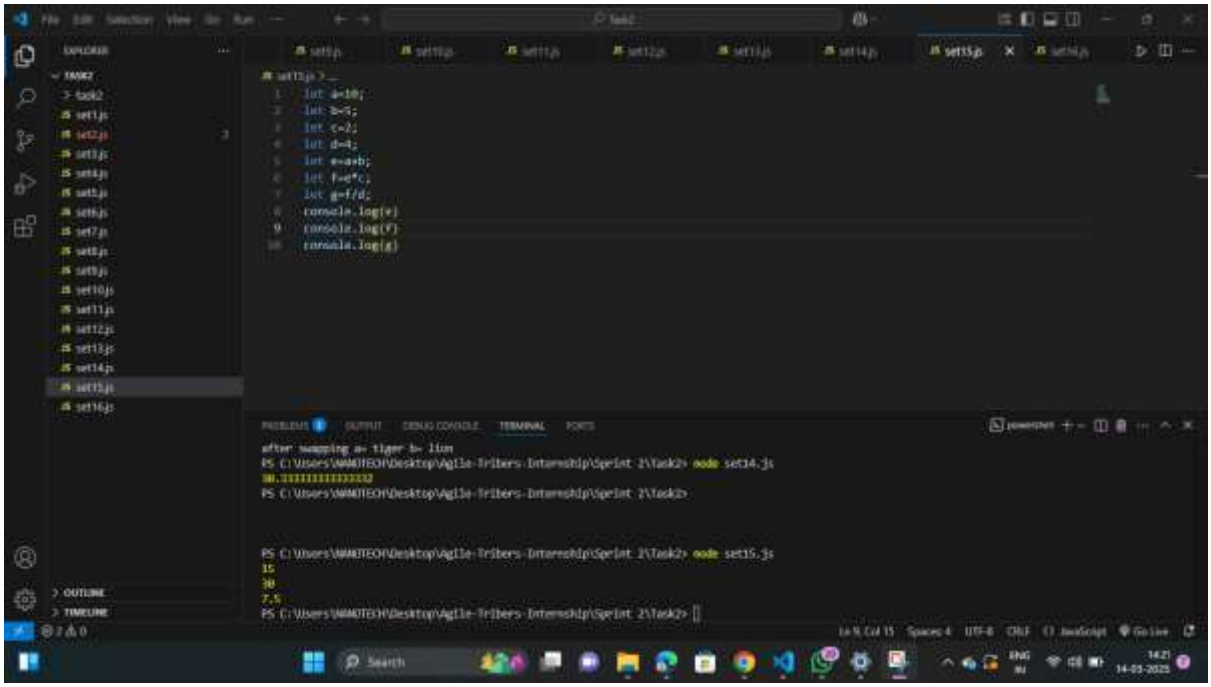
Set13


let a="lion"
let b="tiger"
console.log("before swapping", "a=",a,"b=",b);
temp=a;
a=b;
b=temp;
console.log("after swapping","a=",a,"b=",b)
false
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set12.js
false
false
false
false
true
false
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set13.js
before swapping a= lion b= tiger
after swapping a= tiger b= lion
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

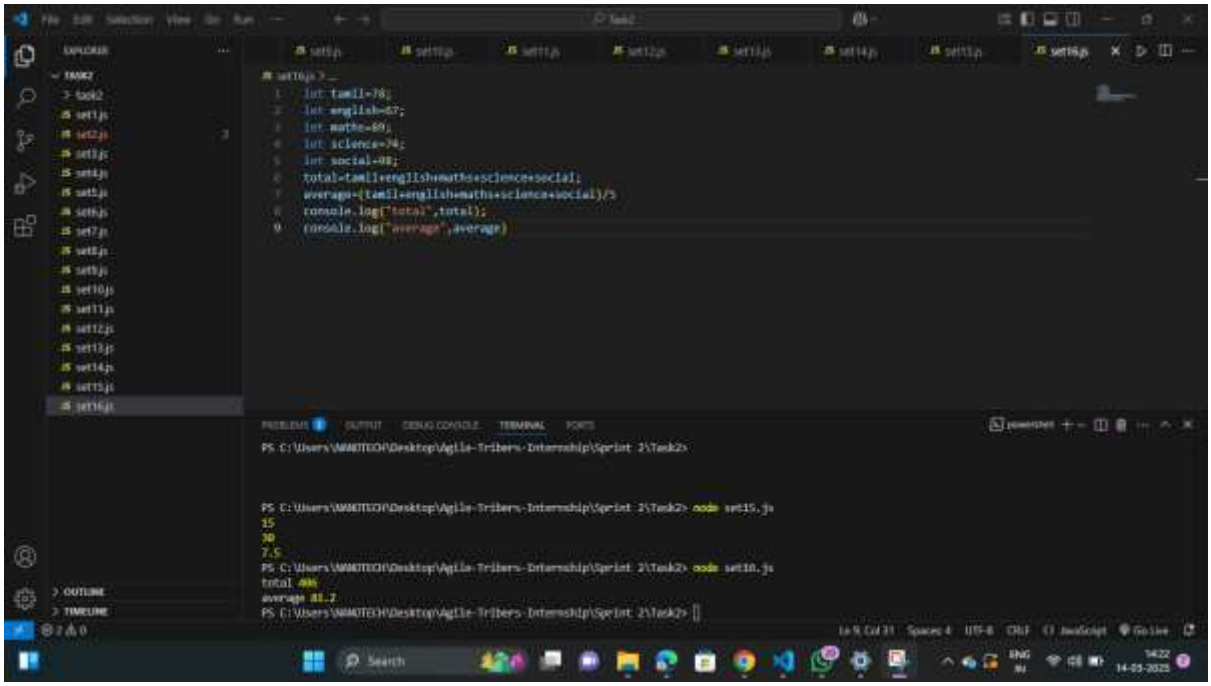
Set14


let a=10;
let b=5;
let c=76;
average=(a+b+c)/3;
console.log(average)
false
true
false
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set13.js
before swapping a= lion b= tiger
after swapping a= tiger b= lion
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set14.js
30.333333333333332
PS C:\Users\WAMOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

Set15


let a=10;
let b=5;
let c=2;
let d=4;
let e=a+b;
let f=e*c;
let g=f/d;
console.log(e)
console.log(f)
console.log(g)
after swapping a= tiger b= lion
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set14.js
30.333333333333332
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set15.js
15
30
7.5
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>

Set16


let tamil=78;
let english=67;
let maths=89;
let science=74;
let social=98;
total=tamil+english+maths+science+social;
average=(tamil+english+maths+science+social)/5
console.log("total",total);
console.log("average",average)
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set15.js
15
30
7.5
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2> node set16.js
total 406
average 81.2
PS C:\Users\WAKOTECH\Desktop\Agile-Tribers-Internship\Sprint 2\Task2>