

Class Work 4

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Question:

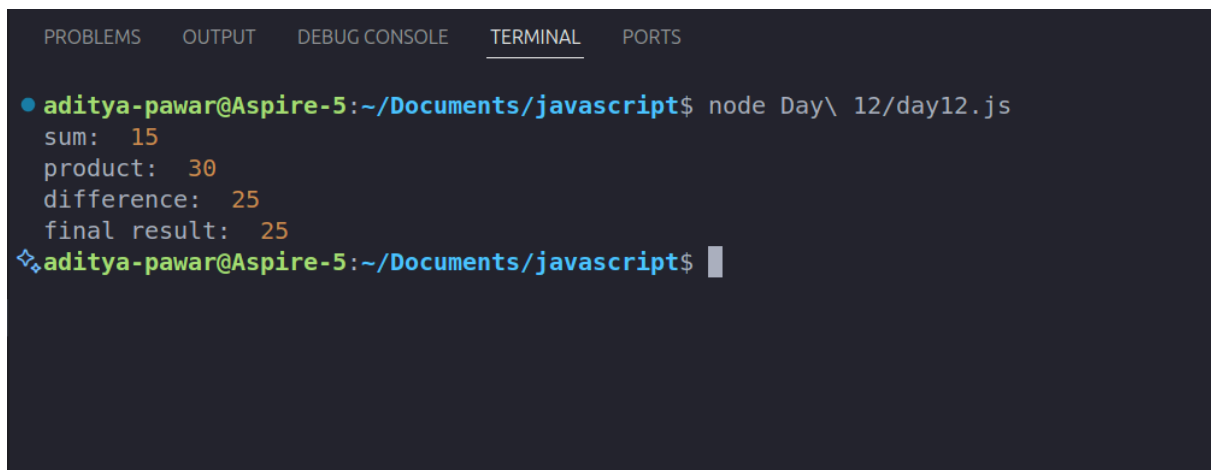
calculate sum with callback (Call back hell)
async funcs add multiply subtract
each function take 2 arguments and a callback
 $((5+10)*2)-5$

```
function add(a, b, callback) {  
  setTimeout(() => {  
    let sum = a + b;  
    console.log("sum: ", sum);  
    callback(sum);  
  }, 2000);  
}  
  
function multiply(a, b, callback) {  
  setTimeout(() => {  
    let product = a * b;  
    console.log("product: ", product);  
    callback(product);  
  }, 2000);  
}  
  
function subtract(a, b, callback) {  
  setTimeout(() => {  
    let difference = a - b;
```

```
    console.log("difference: ", difference);
    callback(difference);
  }, 2000);
}

add(5, 10, (sum) => {
  multiply(sum, 2, (product) => {
    subtract(product, 5, (difference) => {
      console.log("final result: ", difference);
    });
  });
});
```

Output:



The screenshot shows a VS Code terminal window with the 'TERMINAL' tab selected. The prompt is 'aditya-pawar@Aspire-5:~/Documents/javascript\$'. The command executed is 'node Day\ 12/day12.js'. The output is as follows:

```
sum: 15
product: 30
difference: 25
final result: 25
aditya-pawar@Aspire-5:~/Documents/javascript$
```