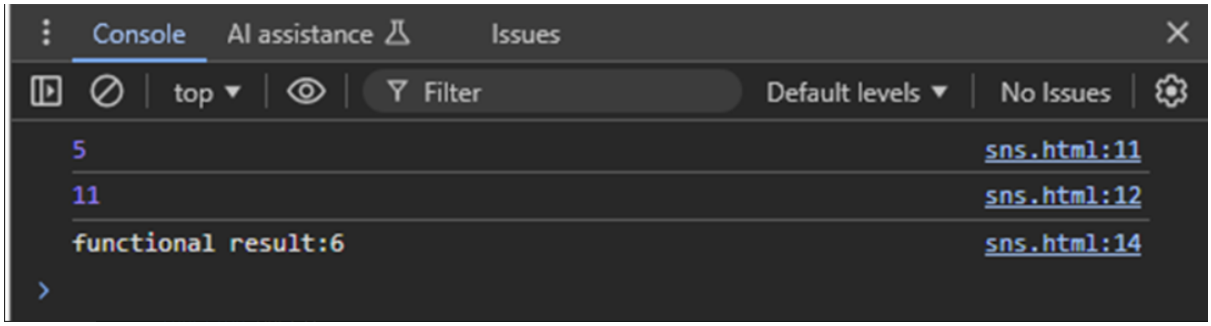
717823E229

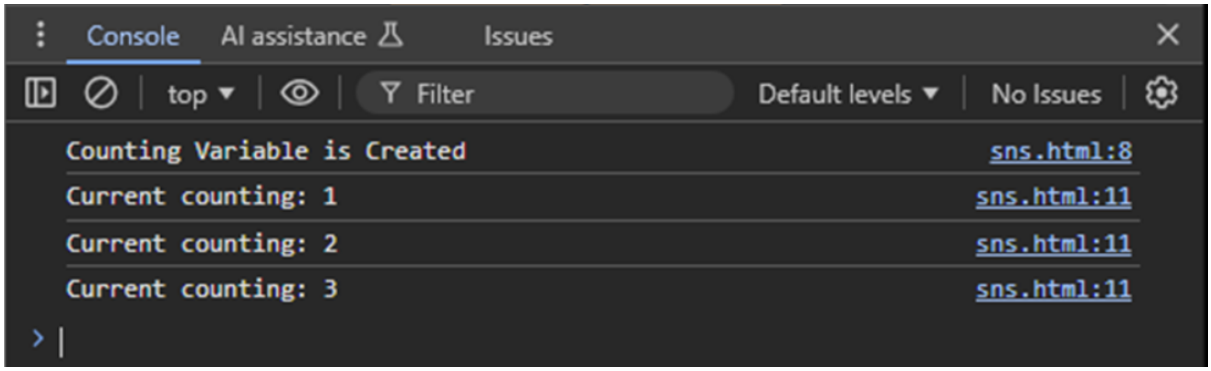
TASK-3.1

```
<!DOCTYPE html>
<html>
   <body>
      <script>
     function One(){
     var v1=5;
     return v1;}
     function Two(){
     var v1=One();
     var v2=11;
     console.log(v1);
     console.log(v2);
     var res=v2-v1;
     console.log("functional result:" + res);
      }
      function sub(){
       return Two();
     }
      sub();
   </script>
   </body>
</html>
```



TASK-3.2

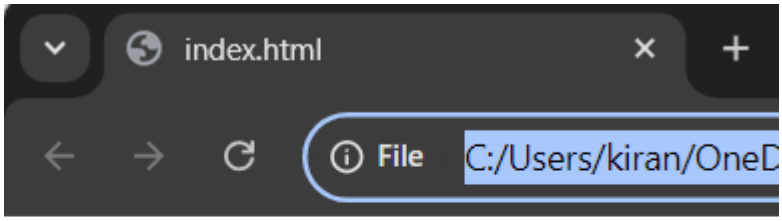
```
<!DOCTYPE html>
<html>
   <body>
      <script>
   function createCounter(){
   let c=0;
   if(c==0)
     console.log("Counting Variable is Created");
   return function(){
    c++;
    console.log(`Current counting: ${c}`);
   };
 }
 const counter=createCounter();
 counter();
 counter();
 counter();
   </script>
   </body>
</html>
```



TASK-3.3

```
<!DOCTYPE html>
<html lang="en">
```

```
<body>
  <script>
   function createCounter() {
   let count = 0;
   return {
   increment: function() {
   count++;
  },
  decrement: function() {
  count--;
  },
  getCurrentCount: function() {
  return count;
  }
 };
}
  const counter1 = createCounter();
  const counter2 = createCounter();
  document.writeln(counter1.getCurrentCount()+"<br>");
  counter1.increment();
  counter1.increment();
  document.writeln(counter1.getCurrentCount()+"<br>");
  counter2.increment();
  document.writeln(counter2.getCurrentCount()+"<br>");
  counter2.decrement();
  document.writeln(counter2.getCurrentCount()+"<br>");
  </script>
</body>
</html>
```



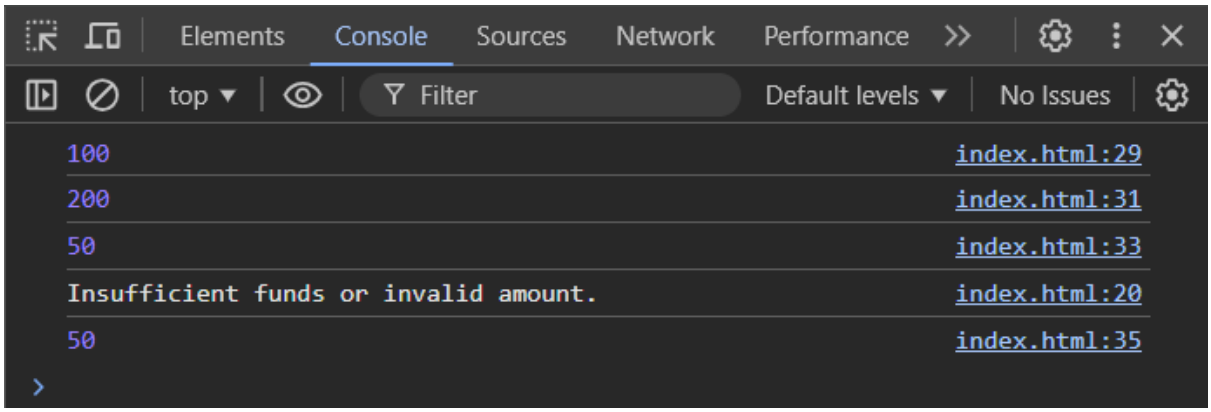
0
2
1
0

TASK - 3.4

```
<!DOCTYPE html>
<html lang="en">
<body>
  <script>
  function createBankAccount(initialBalance) {
let balance = initialBalance;
return {
deposit: function(amount) {
if (amount > 0) {
balance += amount;
} else {

console.log("Deposit amount must be positive.");
}
},
withdraw: function(amount) {
if (amount > 0 && amount <= balance) {
balance -= amount;
} else {
console.log("Insufficient funds or invalid amount.");
}
},
```

```
getBalance: function() {
return balance;
}
};
}
const account = createBankAccount(100);
console.log(account.getBalance())
account.deposit(100);
console.log(account.getBalance());
account.withdraw(150);
console.log(account.getBalance());
account.withdraw(250);
console.log(account.getBalance());
  </script>
</body>
</html>
```



TASK-3.5

```
<!DOCTYPE html>
<html lang="en">
<body>
  <script>
  function createMathFunction(operation) {
return function(num) {
if (operation === 'add') {
```

```
return function(x) { return x + num; };
} else if (operation === 'subtract') {
return function(x) { return x - num; };
} else if (operation === 'multiply') {

return function(x) { return x * num; };
} else {
return function() { return 'Invalid operation'; };
}
};
}
const add25 = createMathFunction('add')(25);
console.log(add25(10));
const subtract13 = createMathFunction('subtract')(13);
console.log(subtract13(20));
const multiply12 = createMathFunction('multiply')(12);
console.log(multiply12(2));
  </script>
</body>
</html>
```