

TASK 11:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
<script>
  function outer() {
    let localVar = "Welcome";
    return function inner() {
      console.log(localVar);
    };
  }
  const capture= outer();
  capture();
</script>
</body>
</html>
```

OUTPUT:



TASK 12:

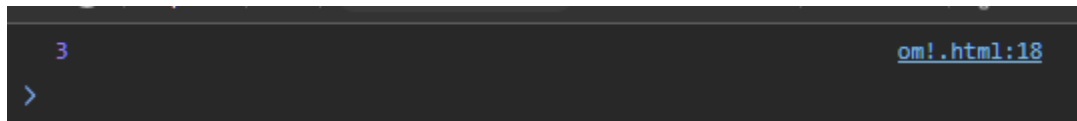
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
<script>
  function f1()
  {
    let count=0;
    return {
      increment: function() {
        count++;
      },
      getCount: function() {
```

```

        console.log(count);
    }
};
}
let res=f1();
res.increment();
res.increment();
res.increment();
res.getCount();
</script>
</body>
</html>

```

OUTPUT:



A screenshot of a browser's developer console. On the left, the number '3' is displayed in blue. On the right, the text 'om!.html:18' is displayed in blue. A blue prompt character '>' is visible on the left side of the console area.

TASK 13:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
<script>
    function MCounters() {
    const counters = [];
    function cCounter() {
        let count = 0;
        return function() {
            count += 1;
            return count;
        };
    }
    for (let i = 0; i < 3; i++) {
        counters.push(cCounter());
    }
    return counters;
}
const [counter1, counter2, counter3] = MCounters();
console.log(counter1());
console.log(counter1());
console.log(counter2());


```

```

console.log(counter3());
console.log(counter3());
</script>
</body>
</html>

```

OUTPUT:



```

1 om!.html:25
2 om!.html:26
1 om!.html:27
1 om!.html:28
2 om!.html:29

```

TASK 14:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
<script>
  function cCounter() {
    let count = 0;
    return function() {
      count += 1;
      return count;
    };
  }
  const c1 = cCounter();
  console.log(c1());
  console.log(c1());
  const c2 = cCounter();
  console.log(c2());
</script>
</body>
</html>

```

OUTPUT:

1	<a href="#">om!.html:18</a>
2	<a href="#">om!.html:19</a>
1	<a href="#">om!.html:21</a>

TASK 15:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
<script>
  function counterF(initialValue = 0, step = 1) {
    let count = initialValue;
    return function() {
      count += step;
      return count;
    };
  }
  const counter1 = counterF();
  console.log(counter1());
  console.log(counter1());
  const counter2 = counterF(10, 5);
  console.log(counter2());
  console.log(counter2());
</script>
</body>
</html>
```

OUTPUT:

1	<a href="#">om!.html:18</a>
2	<a href="#">om!.html:19</a>
15	<a href="#">om!.html:21</a>
20	<a href="#">om!.html:22</a>

