

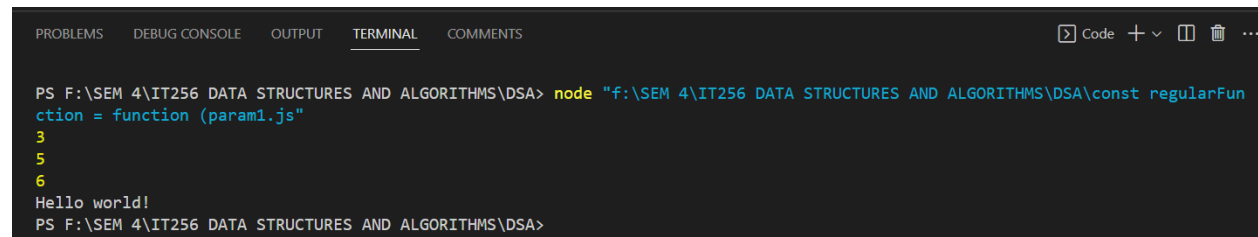
## Practical – 7

**AIM: Demonstrate ES6 New Syntax and Test Browser Compatibility.**

**Source Code:**

```
const regularFunction = function (param1, param2) {  
    return param1 + param2;  
};  
  
const arrowFunction = (param1, param2) => param1 + param2;  
  
const arrowFunctionMultiParams = (param1, param2, param3) => {  
    return param1 + param2 + param3;  
};  
  
const noParameters = () => "Hello world!";  
  
console.log(regularFunction(1,2));  
console.log(arrowFunction(2,3));  
console.log(arrowFunctionMultiParams(1,2,3));  
console.log(noParameters());
```

**Output:**



```
PROBLEMS  DEBUG CONSOLE  OUTPUT  TERMINAL  COMMENTS  
PS F:\SEM 4\IT256 DATA STRUCTURES AND ALGORITHMS\DSA> node "f:\SEM 4\IT256 DATA STRUCTURES AND ALGORITHMS\DSA\const regularFunction = function (param1, param2) {  
3  
5  
6  
Hello world!  
PS F:\SEM 4\IT256 DATA STRUCTURES AND ALGORITHMS\DSA>
```

**Source Code:**

```
let myNumbers = [1, 2, 3, 4];  
let [firstNum, secondNum, thirdNum, fourthNum] = myNumbers;  
  
console.log(firstNum);  
console.log(secondNum);  
console.log(thirdNum);  
console.log(fourthNum);
```

```
let myObject = {  
  name: 'John',  
  age: 25,  
  job: 'Software Engineer'  
};  
  
let {name, age, job} = myObject;  
  
console.log(myObject.name);  
console.log(age);  
console.log(job);
```

### Output:



```
PROBLEMS  DEBUG CONSOLE  OUTPUT  TERMINAL  COMMENTS  
  
2  
3  
4  
John  
25  
Software Engineer  
PS F:\SEM 4\IT256 DATA STRUCTURES AND ALGORITHMS\DSA>
```

### Source Code:

```
const numbers = [1,2,3,4,5];  
  
function add(a, b, c, d, e) {  
  return a + b + c + d + e;  
}  
  
const sum = add(...numbers);  
console.log(sum);  
  
const numbers2 = [6,7,8,9,10];  
  
const combinedNumbers = [...numbers, ...numbers2];  
console.log(combinedNumbers);
```

**Output:**

```
PROBLEMS  DEBUG CONSOLE  OUTPUT  TERMINAL  COMMENTS

le.js"
15
[
  1, 2, 3, 4, 5,
  6, 7, 8, 9, 10
]
PS F:\SEM 4\IT256 DATA STRUCTURES AND ALGORITHMS\DSA>
```

**Conclusion:** From the above programs we have learned the newly introduced concepts of JavaScript ES6 named Arrow Function , Destructuring and Spread Operator.