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Academic Year: 2025-26	**Name of Student: Suyash Y Mane**
Semester: V	**Student ID: 24204008**
Class / Branch/ Div: TEIT C	**Roll No. 10**
Subject: IP Lab	**Date of Submission: 12/09/2025**

Experiment No: 5

Aim: Write a program to implement ES6 functions.

Software Used: Visual Studio Code

Code & Output:

leap.js

```javascript
const leap = function(year=2024){

if((year%4===0 && year%100!==0) || (year%400===0)){
return true
}else{
return false
}
}

let year=2024
if (leap(year)){
console.log(year+" is a leap year")
}else{
console.log(year+" is not a leap year")
}
```

```
[Running] node "/home/apsit/Downloads/Suyash/Experiment No.5/tempCodeRunnerFile.js"
2024 is a leap year

[Done] exited with code=0 in 0.078 seconds
```

.

res.js

```
let sum=(n=10)=>{

if (n<=1)
return n;
return n + sum(n-1)
}
console.log(sum(10))
console.log(sum(15))
```

```
[Running] node "/home/apsit/Downloads/Suyash/Experiment No.5/tempCodeRunnerFile.js"
55
120

[Done] exited with code=0 in 0.049 seconds
```

prime.js

```
function Prime(num=2) {

if (num<2)
return false

for (let i=2; i<= Math.sqrt(num); i++) {
if (num%i===0)
return false
}
return true;
}

console.log(Prime(9));
console.log(Prime(11));
console.log(Prime(16));
console.log(Prime(5));
```

```
[Running] node "/home/apsit/Downloads/Suyash/Experiment No.5/sum.js"
false
true
false
true
```

Conclusion:

In this experiment, we learnt and understood how to implement ES6 functions.