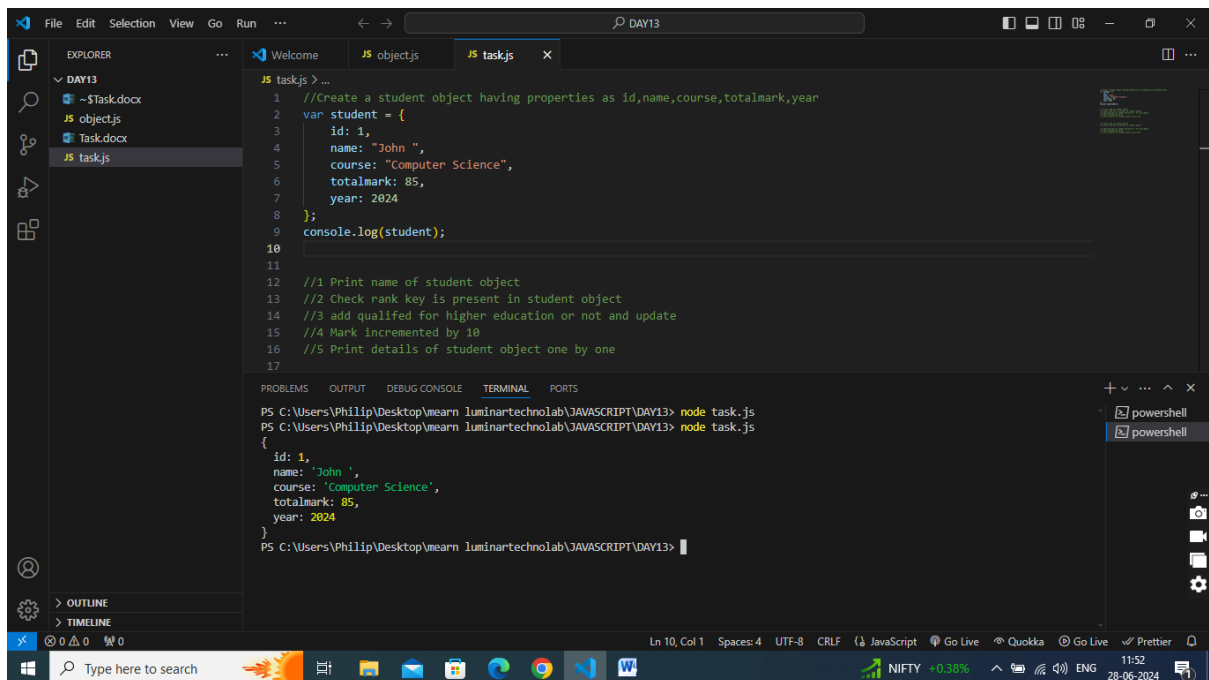


## TASK

//Create a student object having properties as id,name,course,totalmark,year

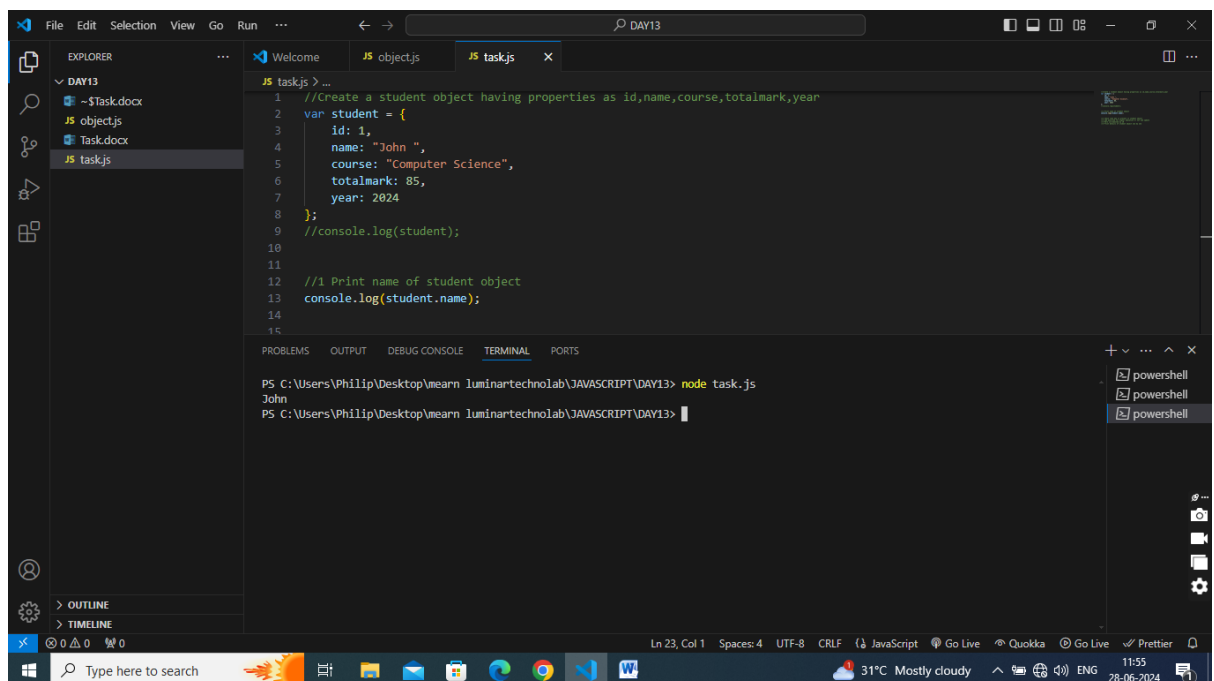


```
1 //Create a student object having properties as id,name,course,totalmark,year
2 var student = {
3   id: 1,
4   name: "John ",
5   course: "Computer Science",
6   totalmark: 85,
7   year: 2024
8 };
9 console.log(student);
10
11
12 //1 Print name of student object
13 //2 Check rank key is present in student object
14 //3 add qualified for higher education or not and update
15 //4 Mark incremented by 10
16 //5 Print details of student object one by one
17
```

PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY13> node task.js

```
{
  id: 1,
  name: 'John ',
  course: 'Computer Science',
  totalmark: 85,
  year: 2024
}
```

### 1. Print name of student object

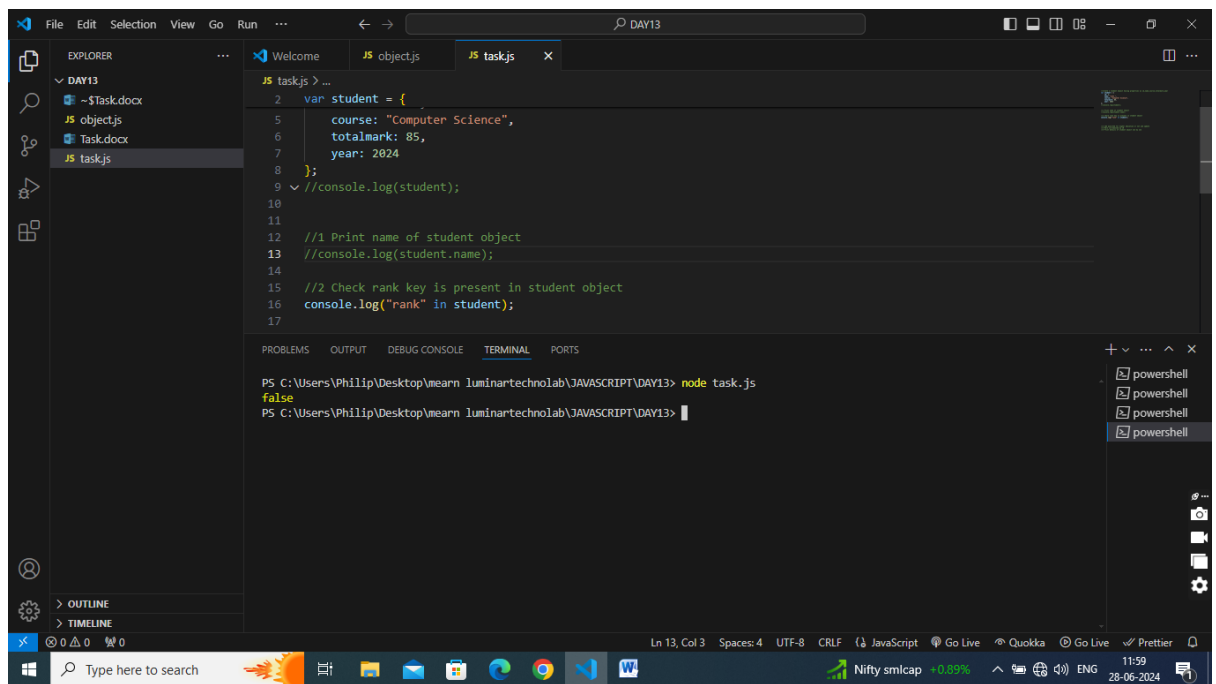


```
1 //Create a student object having properties as id,name,course,totalmark,year
2 var student = {
3   id: 1,
4   name: "John ",
5   course: "Computer Science",
6   totalmark: 85,
7   year: 2024
8 };
9 //console.log(student);
10
11
12 //1 Print name of student object
13 console.log(student.name);
14
15
```

PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY13> node task.js

```
John
```

### 2. Check rank key is present in student object

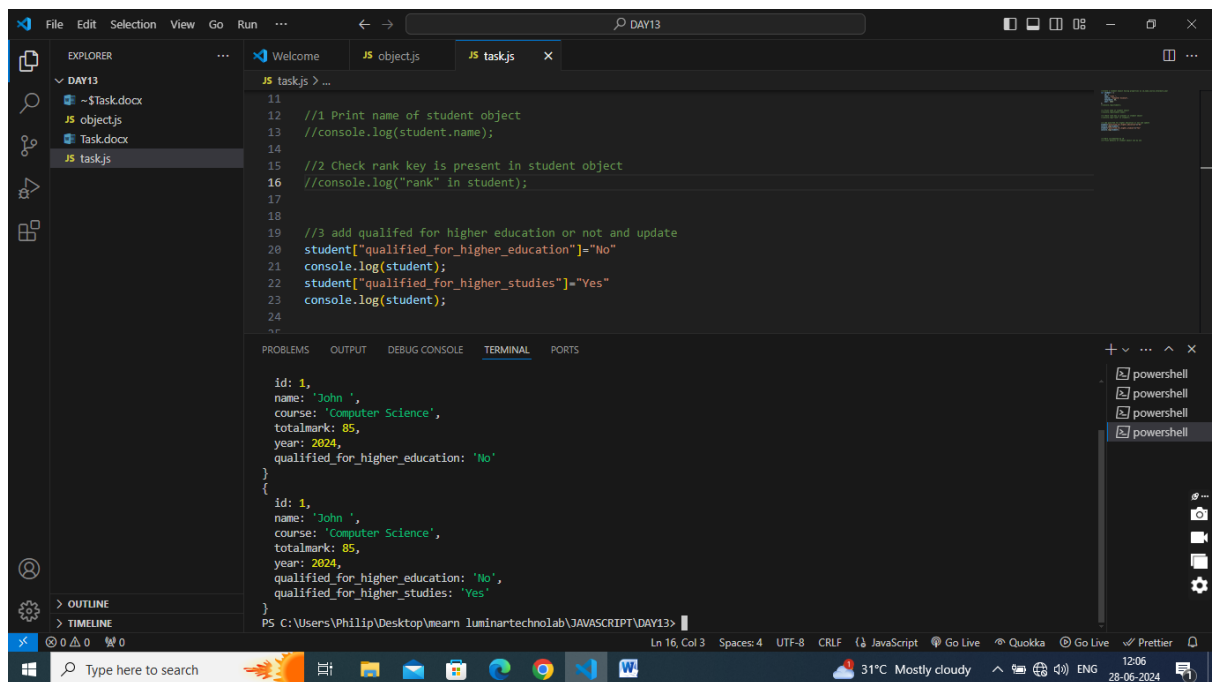


```
JS taskjs > ...
2  var student = {
5      course: "Computer Science",
6      totalmark: 85,
7      year: 2024
8  };
9  //console.log(student);
10
11
12  //1 Print name of student object
13  //console.log(student.name);
14
15  //2 Check rank key is present in student object
16  console.log("rank" in student);
17
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Philip\Desktop\mearn luminartechlab\JAVASCRIPT\DAY13> node task.js
false
PS C:\Users\Philip\Desktop\mearn luminartechlab\JAVASCRIPT\DAY13>
```

3. add qualified for higher education or not and update



```
JS taskjs > ...
11
12  //1 Print name of student object
13  //console.log(student.name);
14
15  //2 Check rank key is present in student object
16  //console.log("rank" in student);
17
18
19  //3 add qualified for higher education or not and update
20  student["qualified_for_higher_education"]="No"
21  console.log(student);
22  student["qualified_for_higher_studies"]="Yes"
23  console.log(student);
24
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
id: 1,
name: 'John ',
course: 'Computer Science',
totalmark: 85,
year: 2024,
qualified_for_higher_education: 'No'
}
{
id: 1,
name: 'John ',
course: 'Computer Science',
totalmark: 85,
year: 2024,
qualified_for_higher_education: 'No',
qualified_for_higher_studies: 'Yes'
}
PS C:\Users\Philip\Desktop\mearn luminartechlab\JAVASCRIPT\DAY13>
```

4. Mark incremented by 10

The screenshot shows the VS Code editor with a file named `taskjs` open. The code in the editor is as follows:

```
17
18
19 //3 add qualified for higher education or not and update
20 // student["qualified_for_higher_education"]="No"
21 // console.log(student);
22 // student["qualified_for_higher_studies"]="Yes"
23 // console.log(student);
24
25
26 //4 Mark incremented by 10
27 console.log(student);
28 student.totalmark+=10
29 console.log(student);
30
31
32
```

The terminal output shows the execution of `node task.js` in a PowerShell prompt:

```
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY13> node task.js
{
  id: 1,
  name: 'John ',
  course: 'Computer Science',
  totalmark: 85,
  year: 2024
}
{
  id: 1,
  name: 'John ',
  course: 'Computer Science',
  totalmark: 95,
  year: 2024
}
```

## 5. Print details of student object one by one

The screenshot shows the VS Code editor with a file named `taskjs` open. The code in the editor is as follows:

```
25
26 //4 Mark incremented by 10
27 //console.log(student);
28 //student.totalmark+=10
29 //console.log(student);
30
31
32
33 //5 Print details of student object one by one
34 for (key in student){
35   console.log(`${key} ->${student[key]}`);
36 }
37
```

The terminal output shows the execution of `node task.js` in a PowerShell prompt:

```
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY13> node task.js
id ->1
name ->John
course ->Computer Science
totalmark ->85
year ->2024
PS C:\Users\Philip\Desktop\mearn luminartechnolab\JAVASCRIPT\DAY13>
```