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Sem : 7

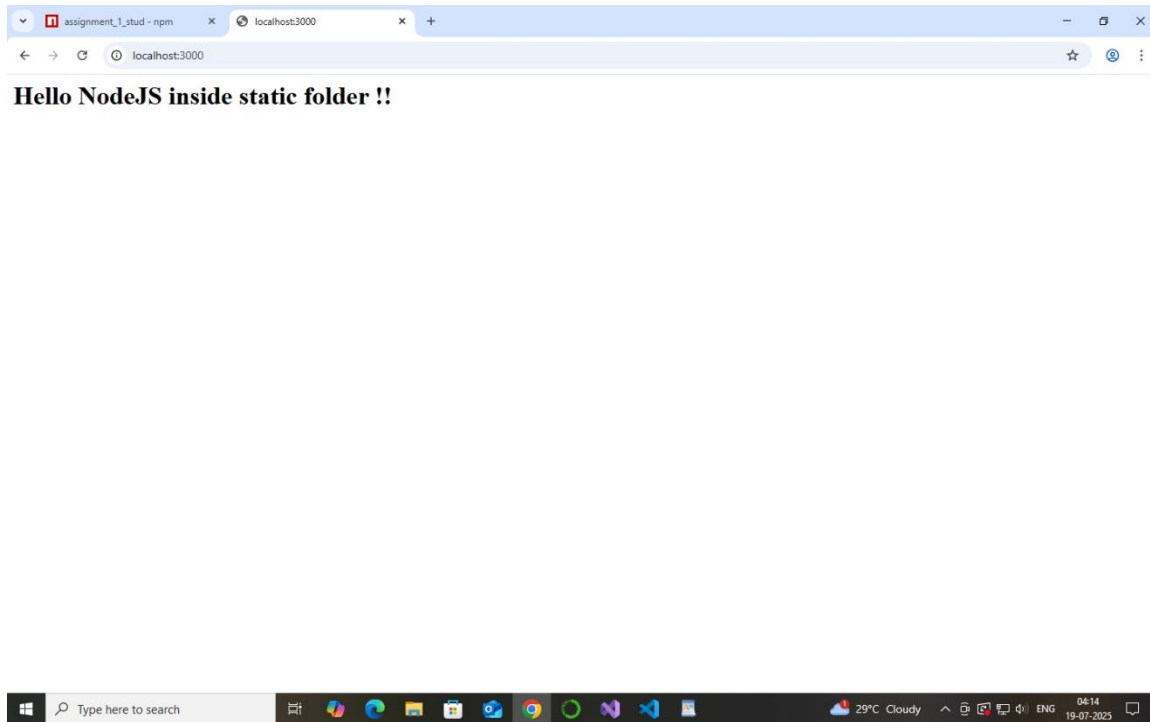
Roll no : 20

Div : A

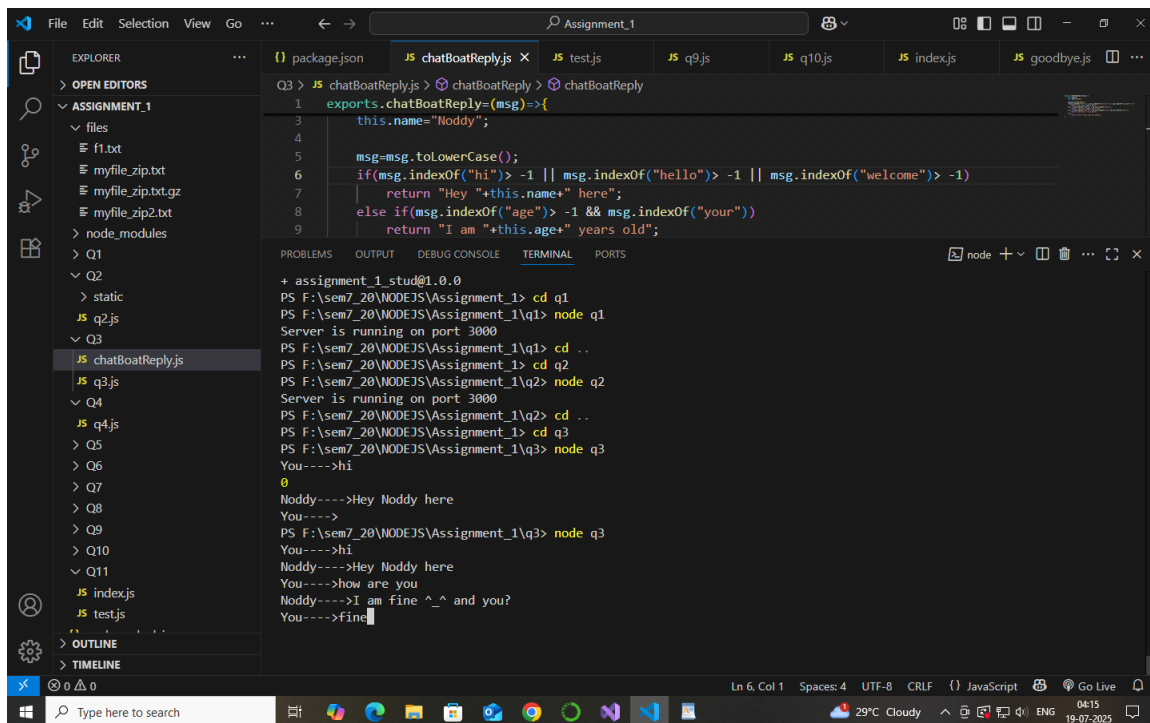
Q1).



Q2).



Q3).



Q4).

The screenshot shows a Visual Studio Code editor with a project named "Assignment_1". The Explorer sidebar on the left shows a file structure with "files" (containing "f1.txt", "myfile.zip.txt", "myfile.zip.txt.gz", "myfile.zip2.txt") and "node_modules". The "Q4" directory is selected, containing "chatBoatReply.js", "q3.js", "q4.js", "q5.js", "q6.js", "q7.js", "q8.js", "q9.js", "q10.js", "index.js", "test.js", and "package.json".

The editor displays the code in "chatBoatReply.js":

```
1 exports.chatBoatReply=(msg)=>{
2   this.name="Noddy";
3
4   msg=msg.toLowerCase();
5   if(msg.indexOf("hi")> -1 || msg.indexOf("hello")> -1 || msg.indexOf("welcome")> -1)
6     return "Hey "+this.name+" here";
7   else if(msg.indexOf("age")> -1 && msg.indexOf("your"))
8     return "I am "+this.age+" years old";
9 }
```

The terminal at the bottom shows the execution of the code:

```
PS F:\sem7_20\NODEJS\Assignment_1\q1> node q1
Server is running on port 3000
PS F:\sem7_20\NODEJS\Assignment_1\q1> cd ..
PS F:\sem7_20\NODEJS\Assignment_1> cd q2
PS F:\sem7_20\NODEJS\Assignment_1\q2> node q2
Server is running on port 3000
PS F:\sem7_20\NODEJS\Assignment_1\q2> cd ..
PS F:\sem7_20\NODEJS\Assignment_1> cd q3
PS F:\sem7_20\NODEJS\Assignment_1\q3> node q3
You--->hi
0
Noddy--->Hey Noddy here
You--->
PS F:\sem7_20\NODEJS\Assignment_1\q3> node q3
You--->hi
Noddy--->Hey Noddy here
You--->how are you
Noddy--->I am fine ^_^ and you?
You--->fine
PS F:\sem7_20\NODEJS\Assignment_1\q3> cd ..
PS F:\sem7_20\NODEJS\Assignment_1> cd q4
PS F:\sem7_20\NODEJS\Assignment_1\q4> node q4
File compressed
PS F:\sem7_20\NODEJS\Assignment_1\q4>
```

The status bar at the bottom indicates the current file is "Ln 6, Col 1", using "Spaces: 4", "UTF-8" encoding, and "CRLF" line endings. The language is set to "JavaScript". The system tray shows the date and time as "04:19 19-07-2023".

Q5).



Q7).

Q8).

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays a project structure with folders Q1 through Q11 and various JavaScript files. The file 'hello.js' is selected. The main editor area shows the content of 'hello.js', which contains a single line of code: `console.log("Hello!");`. The terminal at the bottom shows a series of commands being executed in a PowerShell window, including navigating to the correct directory and running 'npm run server', 'npm run goodbye', and 'npm run status'.

Q9).

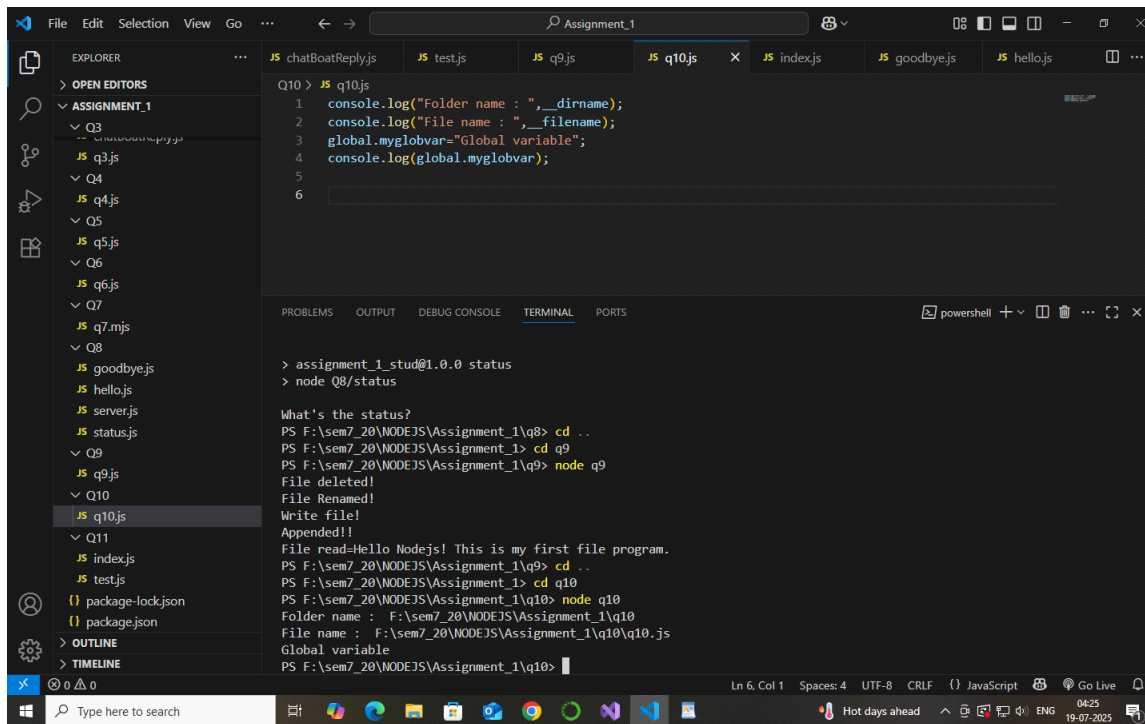
The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left displays a project named 'ASSIGNMENT_1' with a directory structure including files Q3 through Q11, 'index.js', 'test.js', 'package-lock.json', and 'package.json'. The file 'q9.js' is selected and open in the editor. The code in 'q9.js' is as follows:

```
16  
17  
18 fs.rename('../files/file1.txt', '../files/f1.txt', function (err) {  
19   if (err) throw err;  
20   console.log('File Renamed!');  
21 });  
22  
23 fs.unlink('../files/f1.txt', function (err) {  
24   if (err) throw err;  
25   console.log('File deleted!');  
26 });
```

The terminal window at the bottom shows the following commands and output:

```
PS F:\sem7_20\NODEJS\Assignment_1\q8> npm run status  
  
> assignment_1_stud@1.0.0 status  
> node Q8/status  
  
What's the status?  
PS F:\sem7_20\NODEJS\Assignment_1\q8> cd ..  
PS F:\sem7_20\NODEJS\Assignment_1> cd q9  
PS F:\sem7_20\NODEJS\Assignment_1\q9> node q9  
File deleted!  
File Renamed!  
Write file!  
Appended!!  
File read=Hello Nodejs! This is my first file program.  
PS F:\sem7_20\NODEJS\Assignment_1\q9>
```

Q10).



Q11).

