

Question 9: Write a code to check the voting eligibility of a person and display the details of a person using various Element access notations in JavaScript

```
const prompt = require('prompt-sync')();
//object creation to hold voter details
let voter =
{
name: "",
age: 0,
};
// prompt the user to enter voter details
//object modification
voter.name = prompt("What is your name?");
voter.age = parseInt(prompt("How old are you?"));
Checkage(voter.age);
// function to check if the voter is eligible
function Checkage(age)
{
if (voter.age >= 18 )
{
isEligible = true;
console.log('Congrats',voter['name'],'you are',voter.age,'and you can cast your vote')
}
else
{
throw new Error("Voter must be at least 18 years old."); //throws error if age is less than 18 }
}
}
// Element Access
console.log("---Voter Details---:");
console.log("Name: " + voter.name); // Element Access using dot (.) notation
console.log("Age: " + voter['age']); // Element Access using bracket [] notation
console.log("Eligible: " + isEligible);
```

```

console.log("---Object Details after modification---");
//access and modify a specific element in the voter object
voter.age = 12;
console.log("Updated Age: " + voter.age);
console.log("---Object Details before deleting---");
console.log(voter)
delete voter.name
console.log("---Object Details after deleting---");
console.log(voter); //deleting element in the voter object[Modification of object]

```

Steps to execute JavaScript file

Step 1: Open Command Prompt

Step 2: node filename.js

Output

```

What is your name?arjun
How old are you?25
Congrats arjun you are 25 and you can cast your vote
---Voter Details---:
Name: arjun
Age: 25
Eligible: true
---Object Details after modification---:
Updated Age: 12
---Object Details before deleting---:
{ name: 'arjun', age: 12 }
---Object Details after deleting---:
{ age: 12 }

What is your name?vinod
How old are you?16

throw new Error("Voter must be at least 18 years old."); //throws error if age is less than 18 }
^

Error: Voter must be at least 18 years old.
    at Checkag[REDACTED]/Desktop/9.js:23:7)
    at Object.<anonymous> (/Users/[REDACTED]/9.js:12:1)
    at Module._compile (node:internal/modules/cjs/loader:1267:14)
    at Module._extensions..js (node:internal/modules/cjs/loader:1321:10)
    at Module.load (node:internal/modules/cjs/loader:1125:32)
    at Module._load (node:internal/modules/cjs/loader:965:12)
    at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:83:12)
    at node:internal/main/run_main_module:23:47

```