Lesson 4 Demo 1

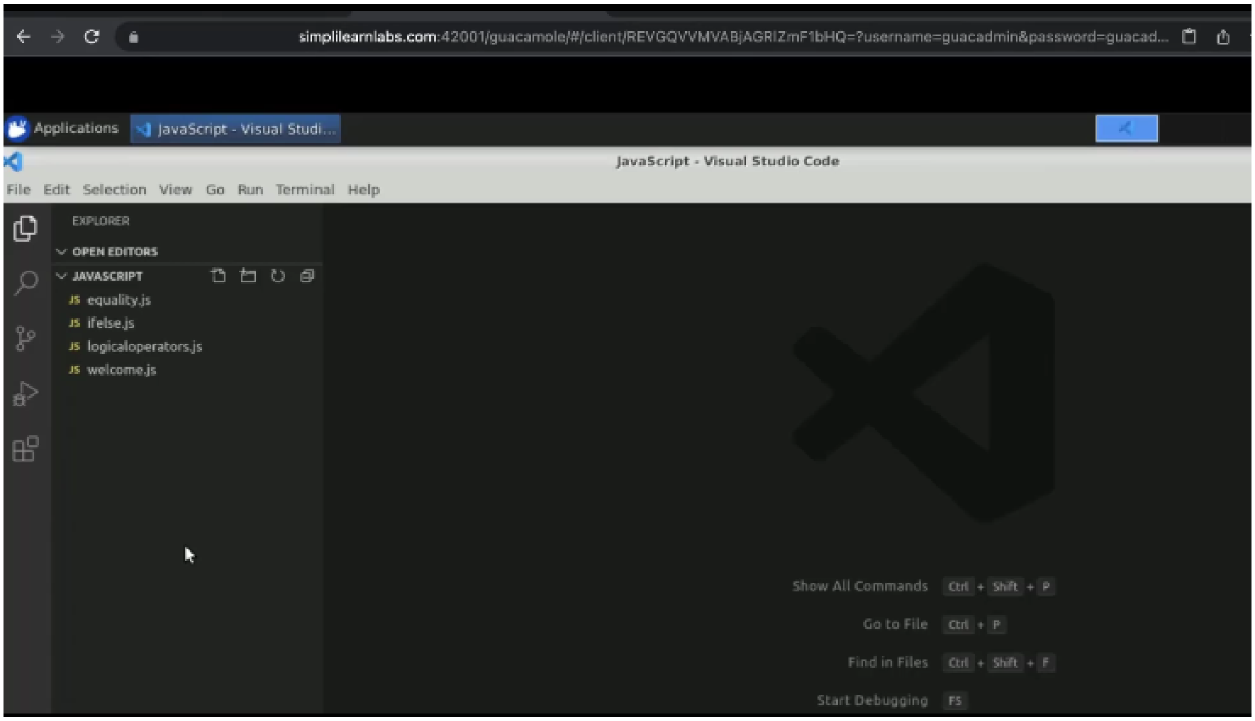
Creating Product User Object for eCommerce Store

Objective: To create a product user object for eCommerce store

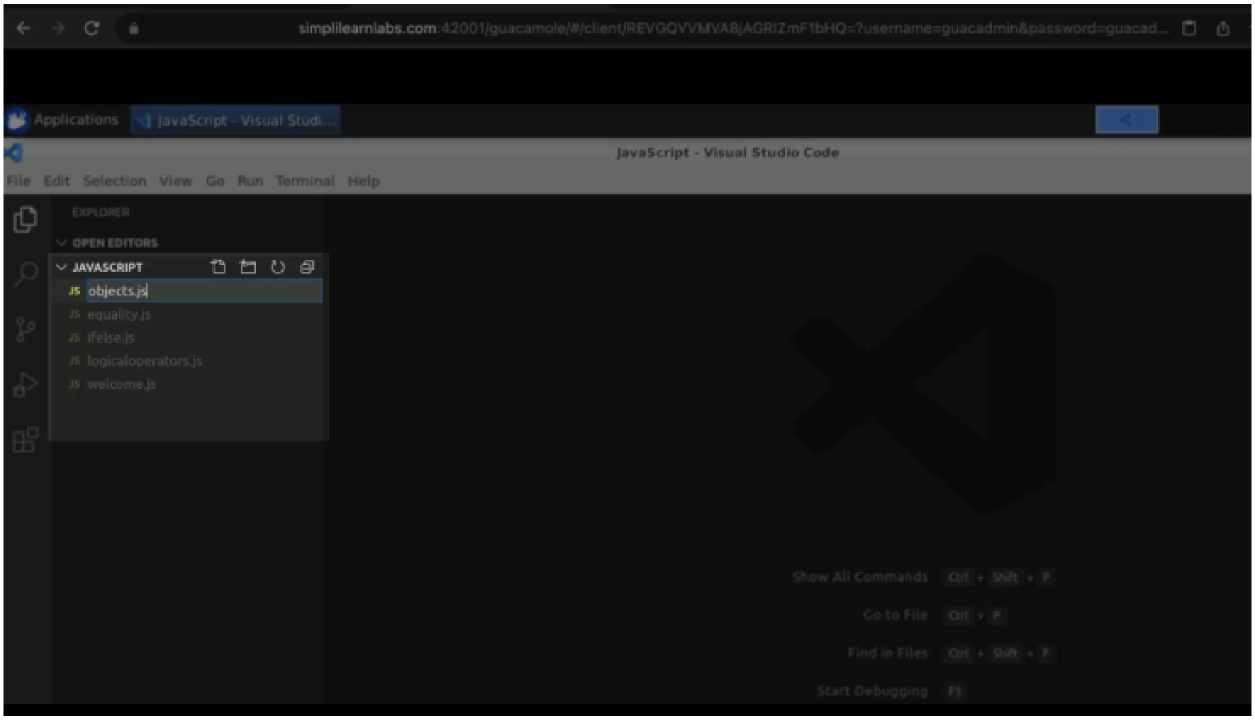
Prerequisites: None

Steps to perform:

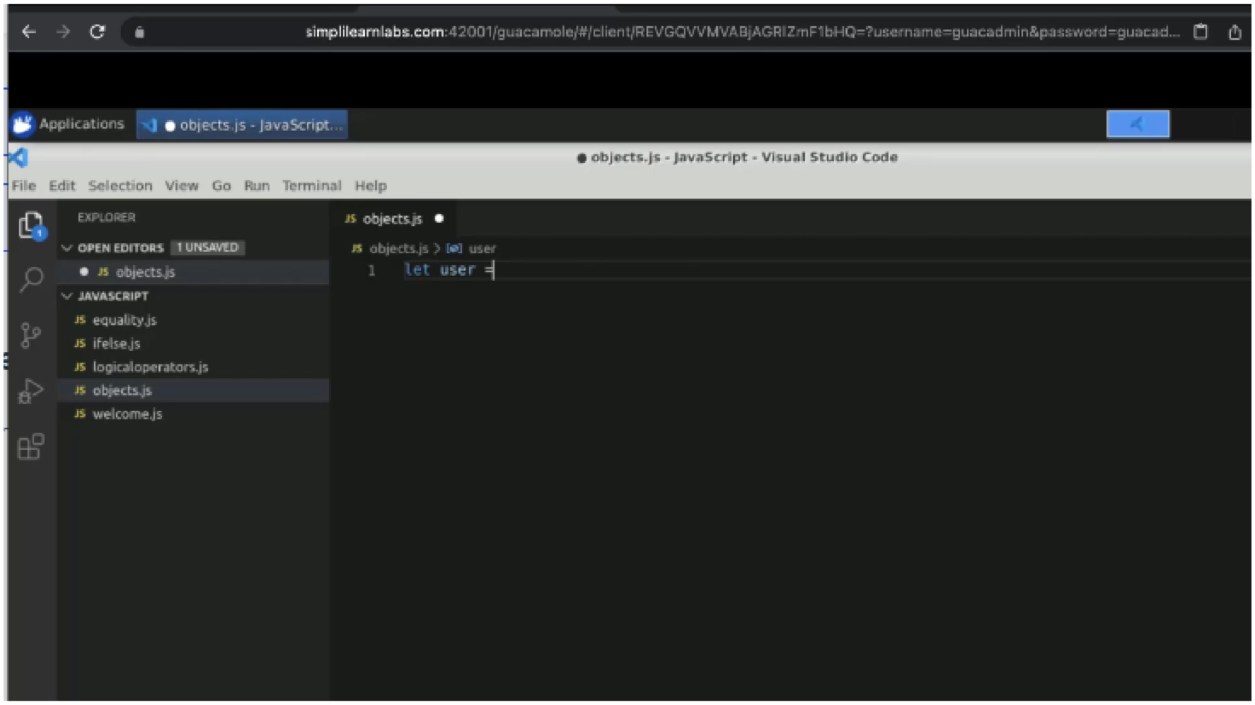
1. Open visual studio code.


simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacad...
Applications
JavaScript - Visual Studi...
JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
welcome.js
Show All Commands Ctrl + Shift + P
Go to File Ctrl + P
Find in Files Ctrl + Shift + F
Start Debugging F5

2. Create a new file named ‘object.js’.

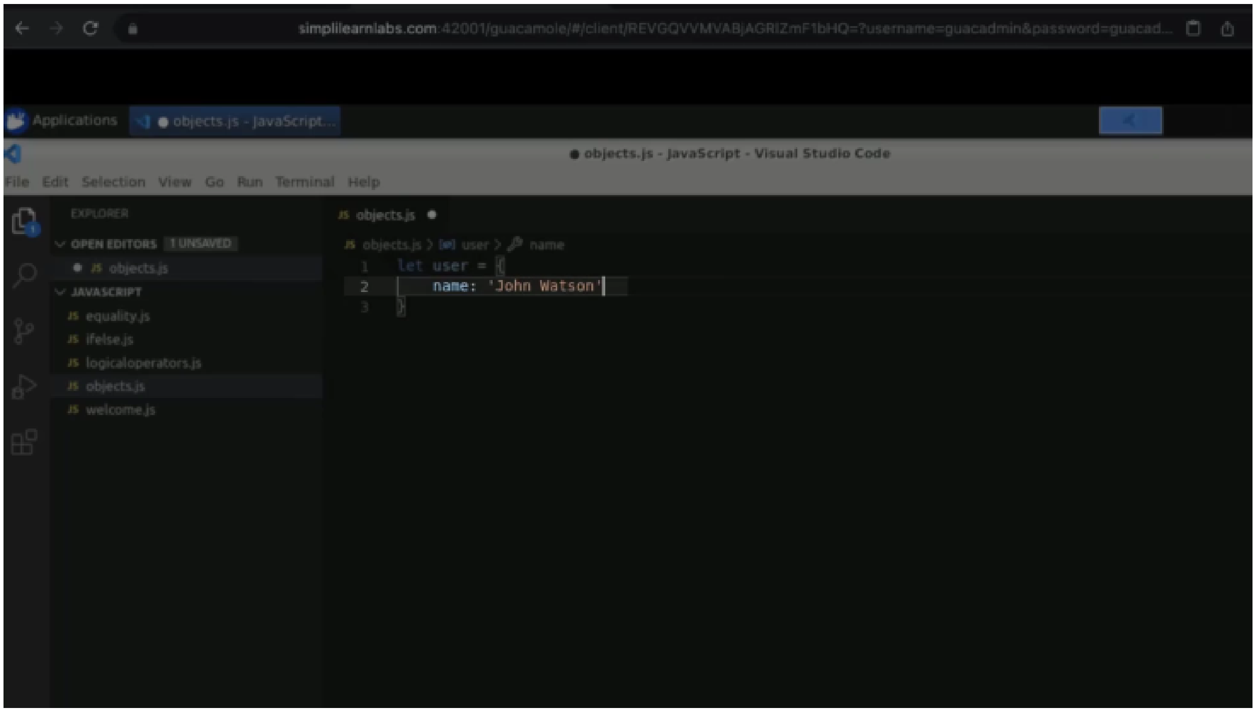

simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacad...
Applications
JavaScript - Visual Studi...
JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
JAVASCRIPT
objects.js
equality.js
ifelse.js
logicaloperators.js
welcome.js
Show All Commands Ctrl + Shift + P
Go to File Ctrl + P
Find in Files Ctrl + Shift + F
Start Debugging F5

3. Create an object as ‘user’.


simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacad...
Applications
● objects.js - JavaScript...
● objects.js - JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
● objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
objects.js ●
objects.js > user

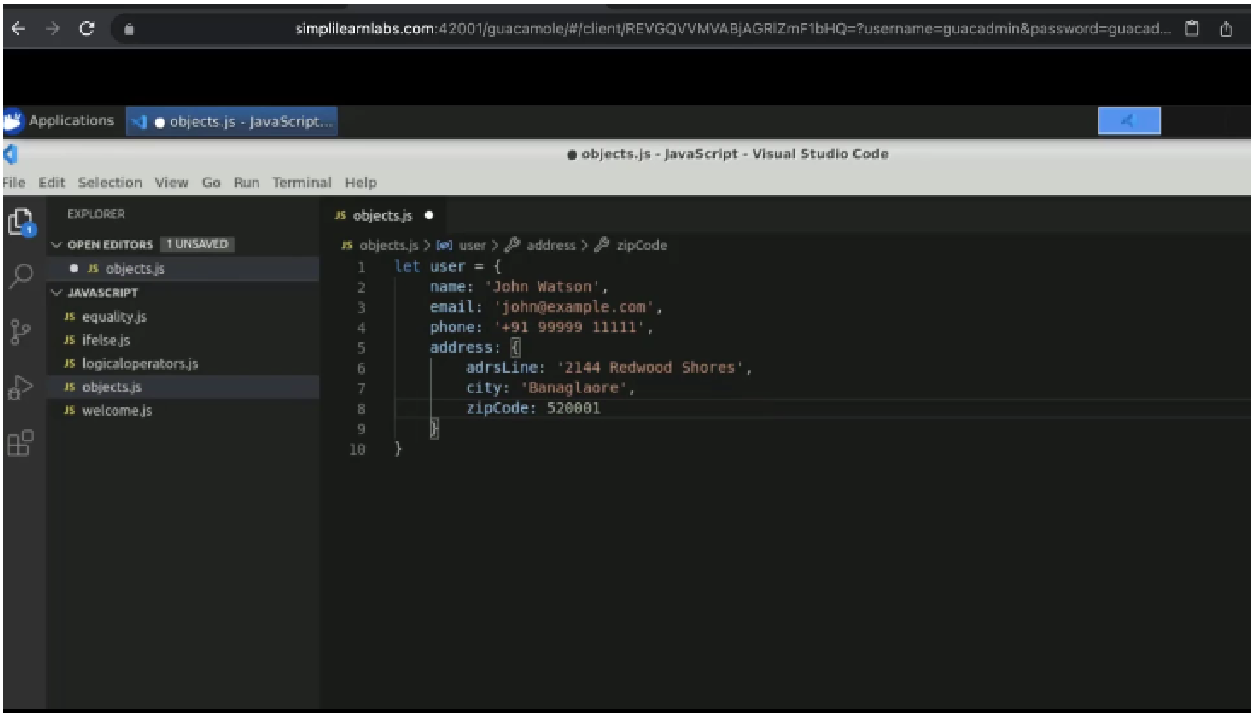
```
let user =
```

4. Add key and value for an object.


simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacad...
Applications
objects.js - JavaScript...
● objects.js - JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
objects.js > user > name

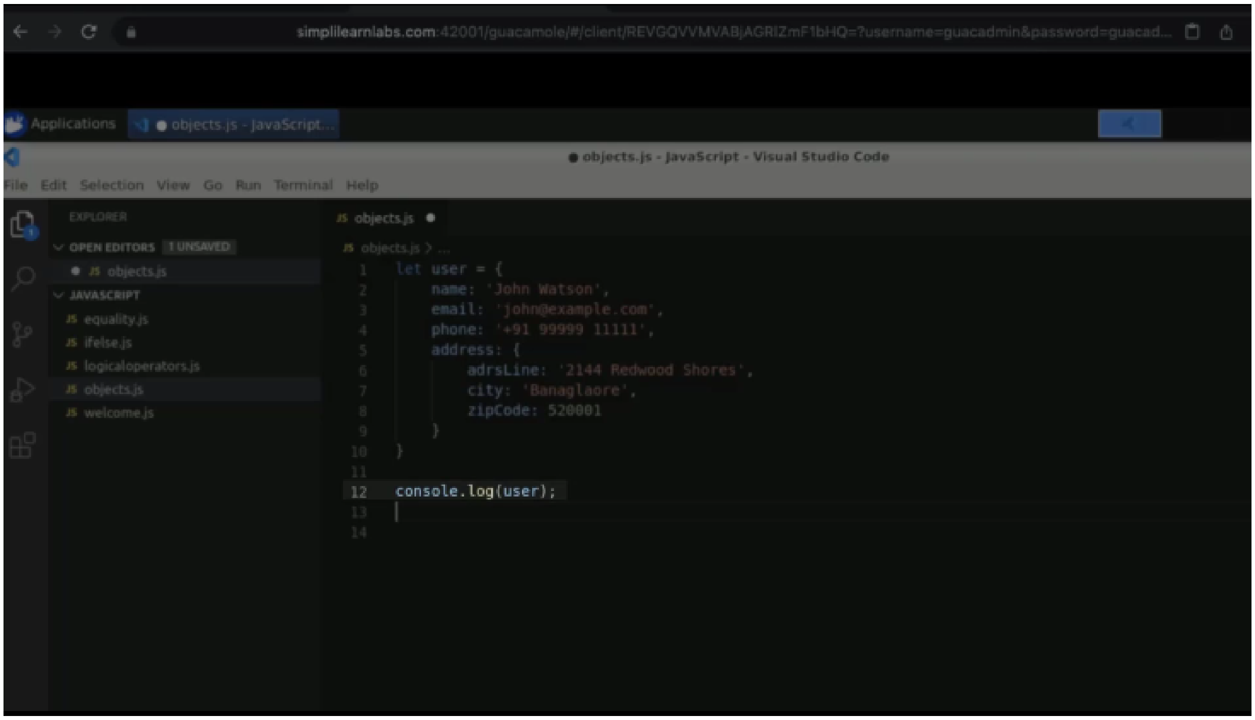
```
let user = {
    name: 'John Watson'
}
```

5. Pass e-mail, phone number, and address, where the address can be in a nested form.


simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacad...
Applications
objects.js - JavaScript...
● objects.js - JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
objects.js > user > address > zipCode

```
let user = {
    name: 'John Watson',
    email: 'john@example.com',
    phone: '+91 99999 11111',
    address: {
        adrsLine: '2144 Redwood Shores',
        city: 'Banaglaore',
        zipCode: 520001
    }
}
```

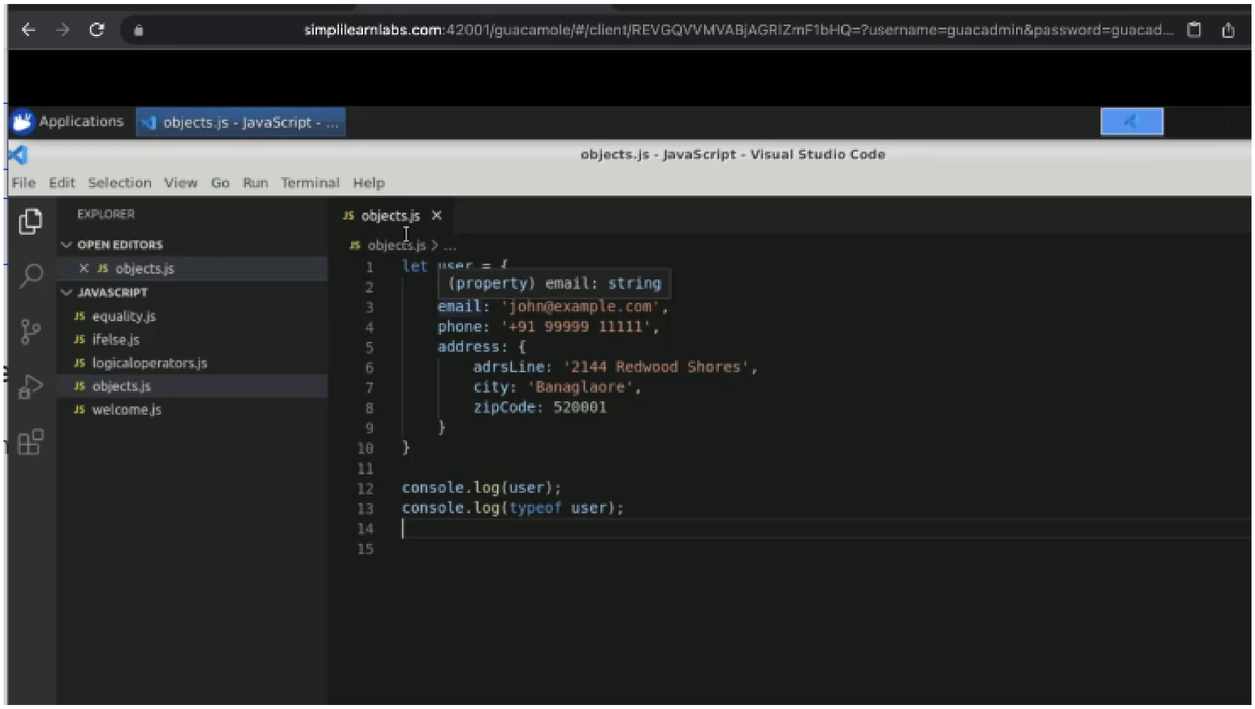
6. Add a log statement for object ‘user’.


simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRlZmF1bHQ=?username=guacadmin&password=guacad...
Applications
objects.js - JavaScript...
objects.js - JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
objects.js > ...

```
let user = {
    name: 'John Watson',
    email: 'john@example.com',
    phone: '+91 99999 11111',
    address: {
        adrsLine: '2144 Redwood Shores',
        city: 'Banaglaore',
        zipCode: 520001
    }
}

console.log(user);
```

7. Add one more log statement as ‘type of user’.

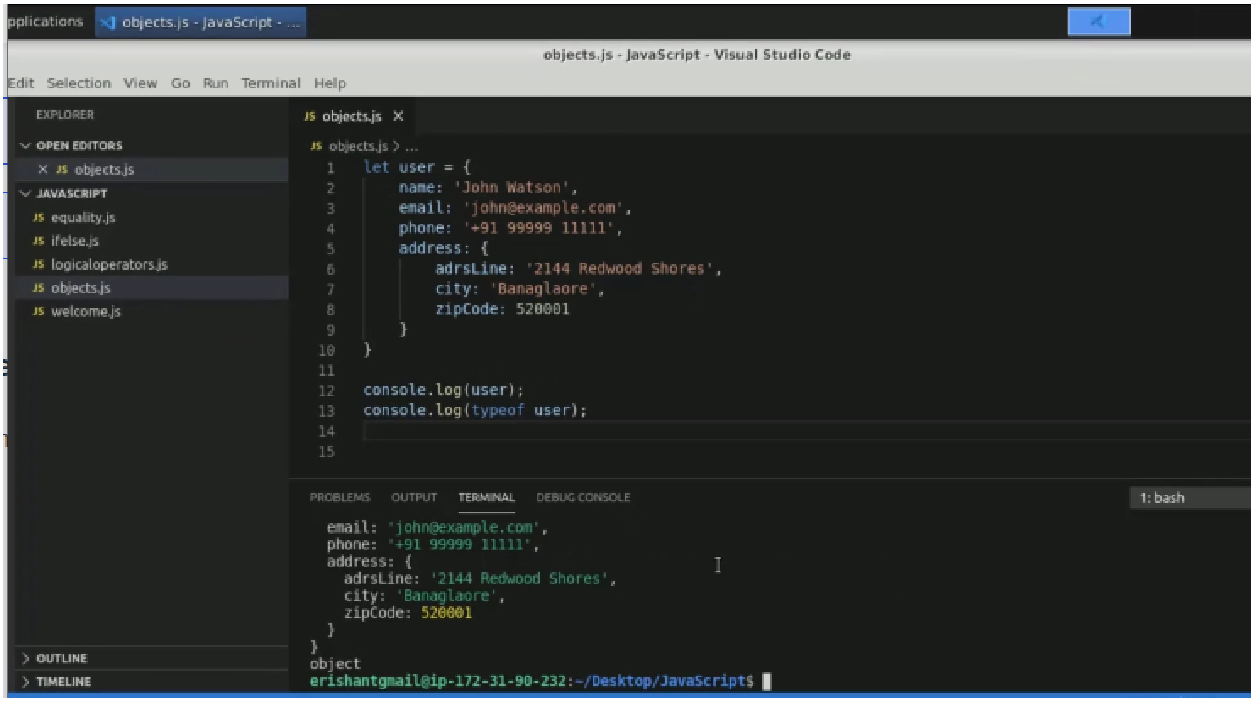

simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRlZmF1bHQ=?username=guacadmin&password=guacad...
Applications
objects.js - JavaScript - ...
objects.js - JavaScript - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
objects.js > ...
(property) email: string

```
let user = {

    email: 'john@example.com',
    phone: '+91 99999 11111',
    address: {
        adrsLine: '2144 Redwood Shores',
        city: 'Banaglaore',
        zipCode: 520001
    }
}

console.log(user);
console.log(typeof user);
```

8. Execute the program in the terminal.

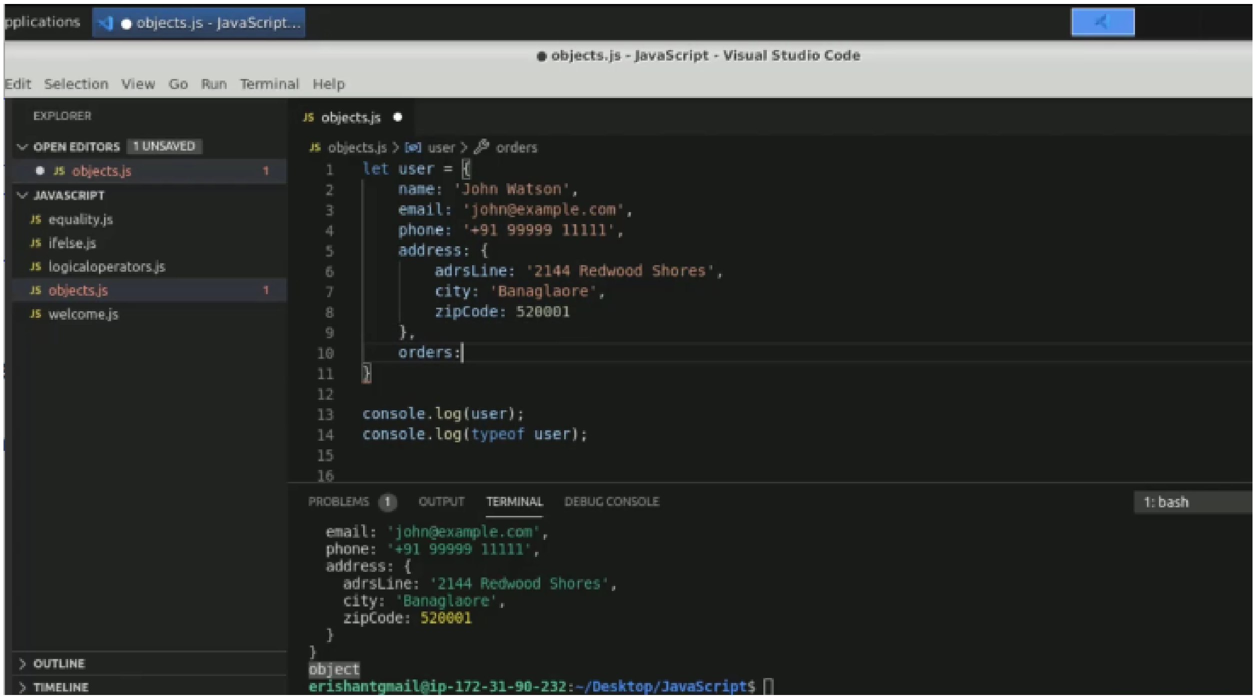

objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
let user = {
    name: 'John Watson',
    email: 'john@example.com',
    phone: '+91 99999 11111',
    address: {
        adrsLine: '2144 Redwood Shores',
        city: 'Banaglaore',
        zipCode: 520001
    }
}

console.log(user);
console.log(typeof user);
```

```
  email: 'john@example.com',
  phone: '+91 99999 11111',
  address: {
    adrsLine: '2144 Redwood Shores',
    city: 'Banaglaore',
    zipCode: 520001
  }
}
object
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

9. Create another key called ‘orders’.

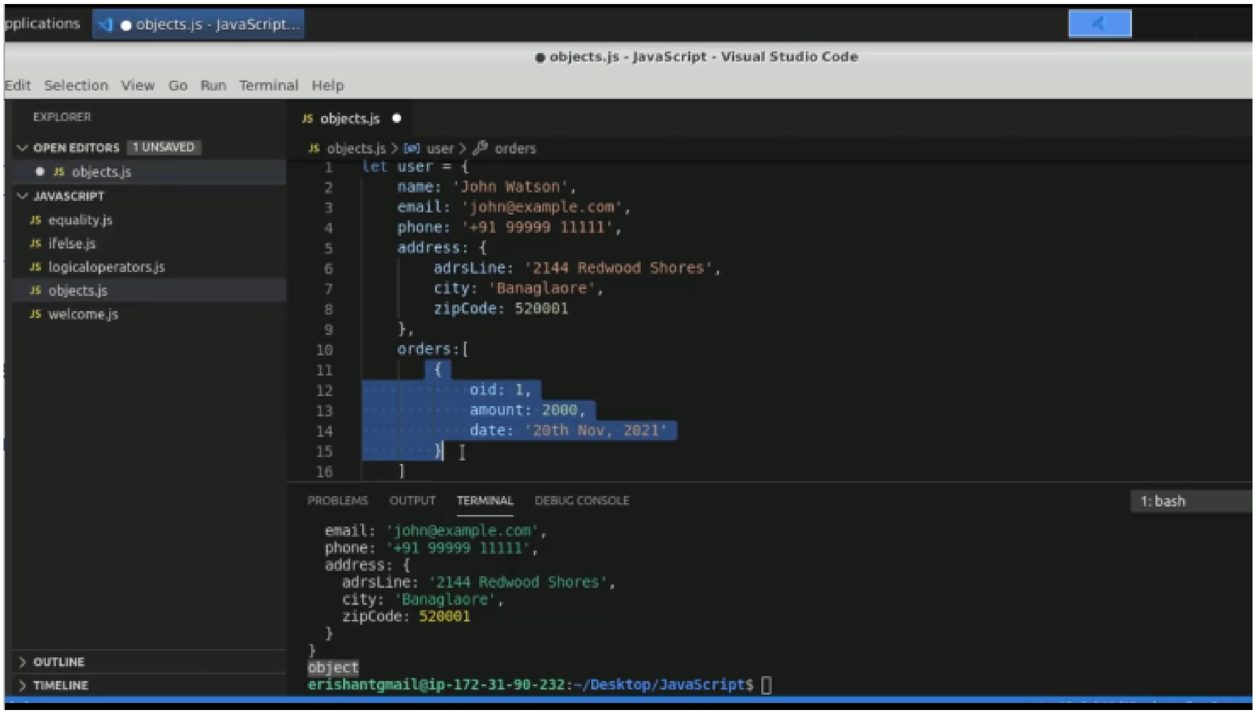

● objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
objects.js > user > orders
OUTLINE
TIMELINE
PROBLEMS 1 OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
let user = {
    name: 'John Watson',
    email: 'john@example.com',
    phone: '+91 99999 11111',
    address: {
        adrsLine: '2144 Redwood Shores',
        city: 'Banaglaore',
        zipCode: 520001
    },
    orders:
}

console.log(user);
console.log(typeof user);
```

```
  email: 'john@example.com',
  phone: '+91 99999 11111',
  address: {
    adrsLine: '2144 Redwood Shores',
    city: 'Banaglaore',
    zipCode: 520001
  }
}
object
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

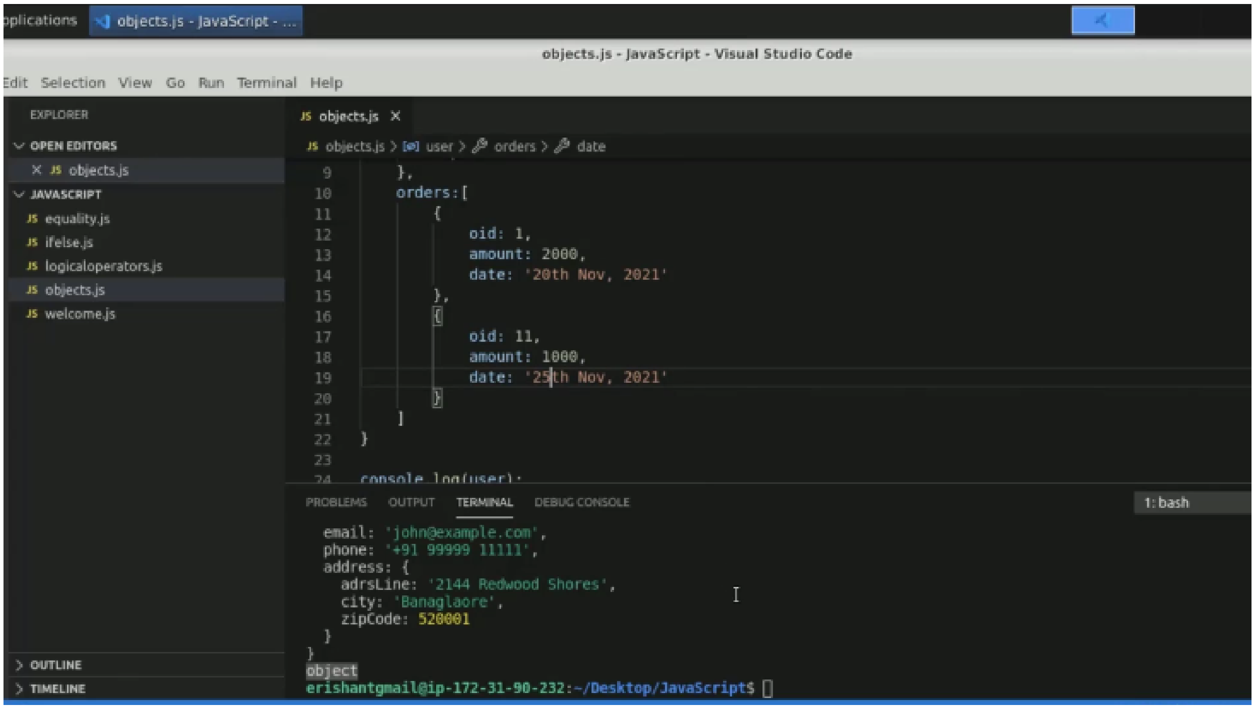
10. Pass order id, amount and date in ‘orders’.


pplications
objects.js - JavaScript...
● objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > user > orders
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
let user = {
    name: 'John Watson',
    email: 'john@example.com',
    phone: '+91 99999 11111',
    address: {
        adrsLine: '2144 Redwood Shores',
        city: 'Banaglaore',
        zipCode: 520001
    },
    orders:[
        {
            oid: 1,
            amount: 2000,
            date: '20th Nov, 2021'
        }
    ]
```

```
  email: 'john@example.com',
  phone: '+91 99999 11111',
  address: {
    adrsLine: '2144 Redwood Shores',
    city: 'Banaglaore',
    zipCode: 520001
  }
}
object
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ 
```

11. Add another object under the ‘orders’.


pplications
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objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
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objects.js
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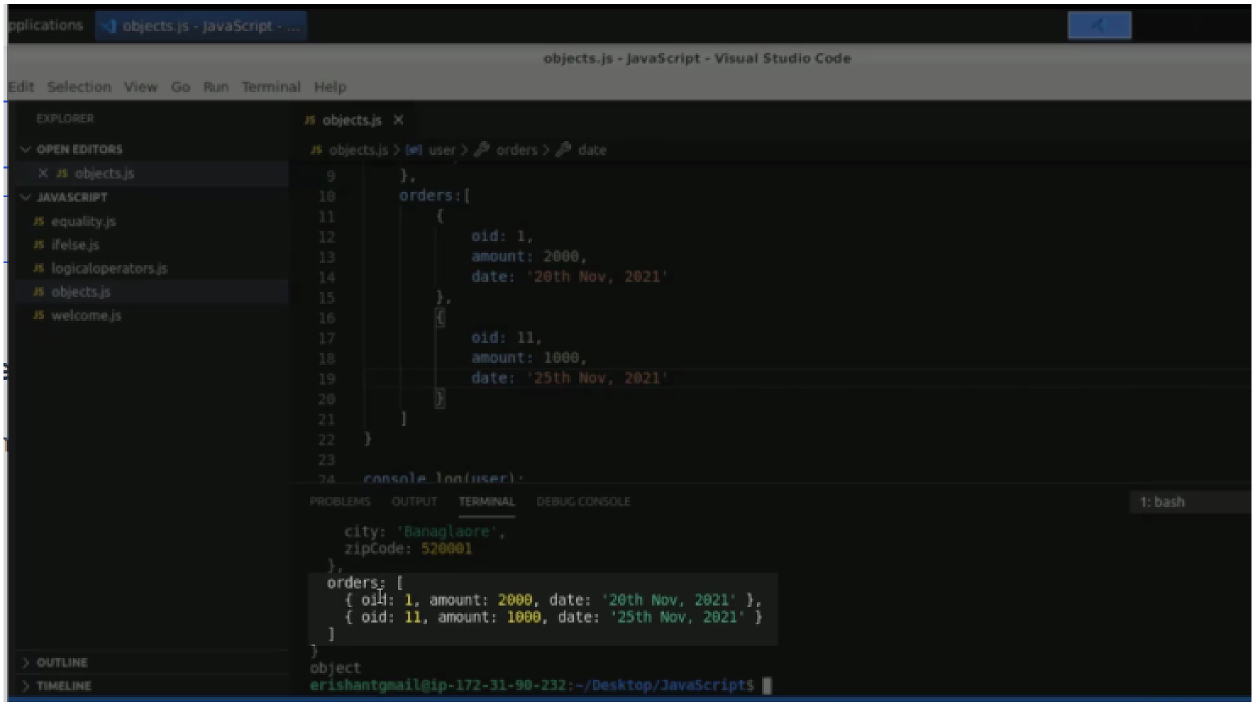
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > user > orders > date
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
    },
    orders:[
        {
            oid: 1,
            amount: 2000,
            date: '20th Nov, 2021'
        },
        {
            oid: 11,
            amount: 1000,
            date: '25th Nov, 2021'
        }
    ]
}

console.log(user);
```

```
  email: 'john@example.com',
  phone: '+91 99999 11111',
  address: {
    adrsLine: '2144 Redwood Shores',
    city: 'Banaglaore',
    zipCode: 520001
  }
}
object
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ 
```

12. Re-run the program.


pplications
objects.js - JavaScript - ...
objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
objects.js
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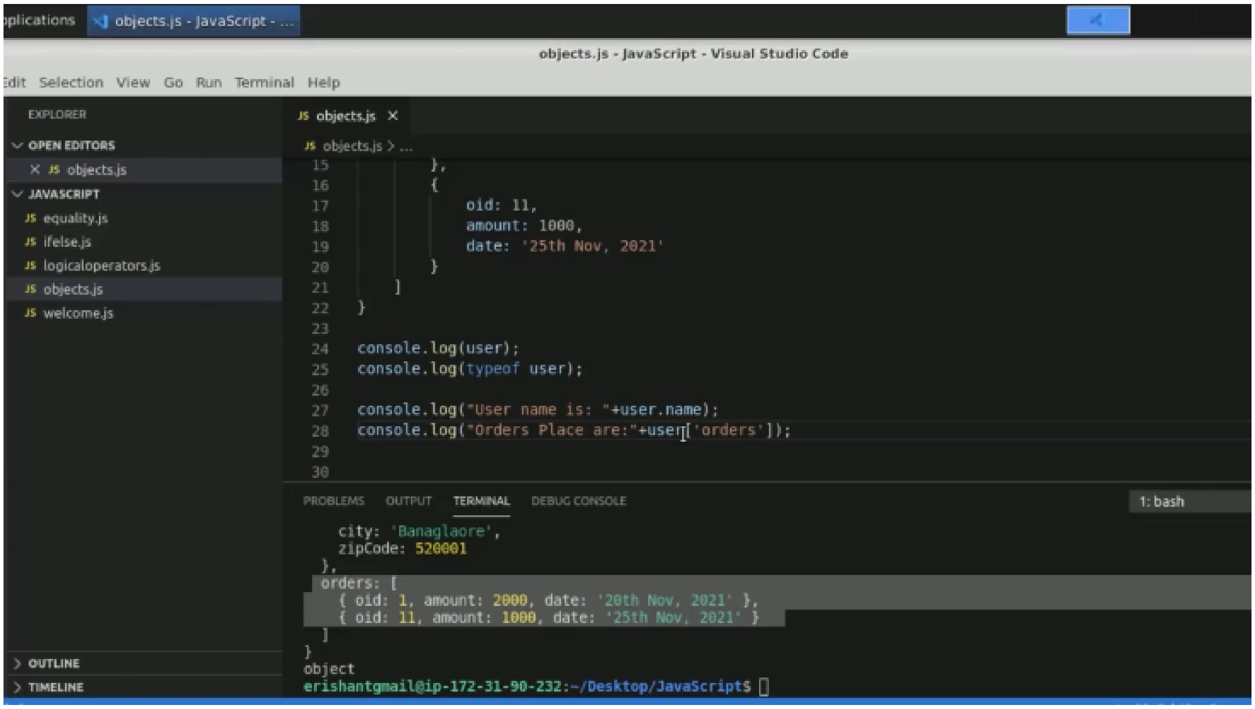
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > user > orders > date
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
    },
    orders:[
        {
            oid: 1,
            amount: 2000,
            date: '20th Nov, 2021'
        },
        {
            oid: 11,
            amount: 1000,
            date: '25th Nov, 2021'
        }
    ]
}

console.log(user);
```

```
    city: 'Banaglaore',
    zipCode: 520001
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

13. Add a log again and access the attributes of the key.


plications
objects.js - JavaScript - ...
objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > ...
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

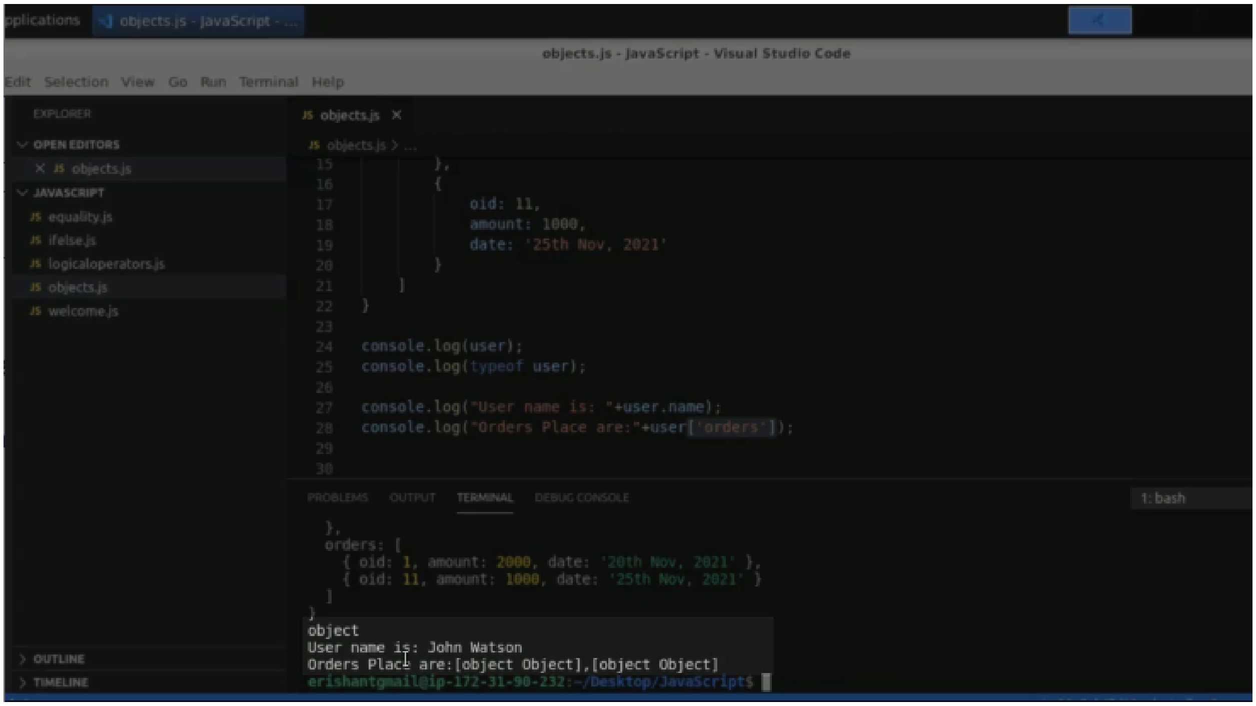
```
        },
        {
            oid: 11,
            amount: 1000,
            date: '25th Nov, 2021'
        }
    ]
}

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Place are:"+user['orders']);
```

```
    city: 'Banaglaore',
    zipCode: 520001
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

14. Execute the program.


objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
objects.js
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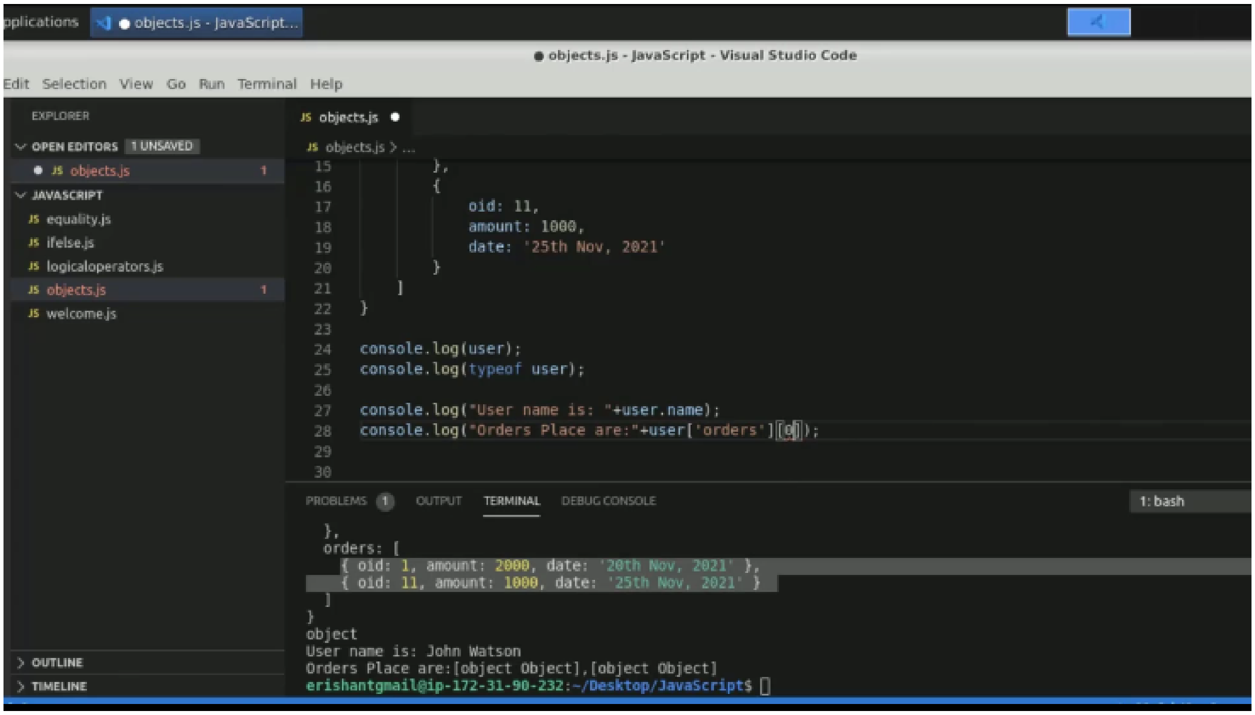
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
        },
        {
            oid: 11,
            amount: 1000,
            date: '25th Nov, 2021'
        }
    ]
}

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Place are:"+user['orders']);
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:[object Object],[object Object]
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

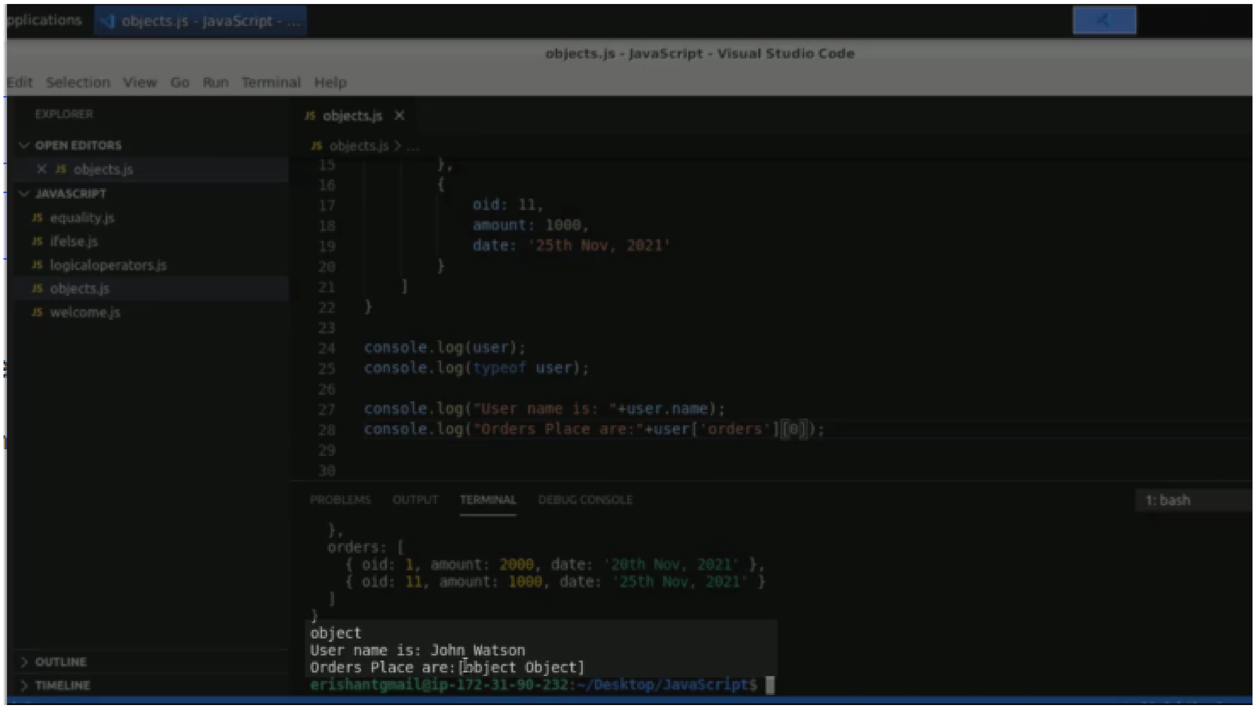
15. Use User of orders zero indexes.



```
        },
        {
            oid: 11,
            amount: 1000,
            date: '25th Nov, 2021'
        }
    ]
}

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Place are:"+user['orders'][0]);
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:[object Object],[object Object]
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

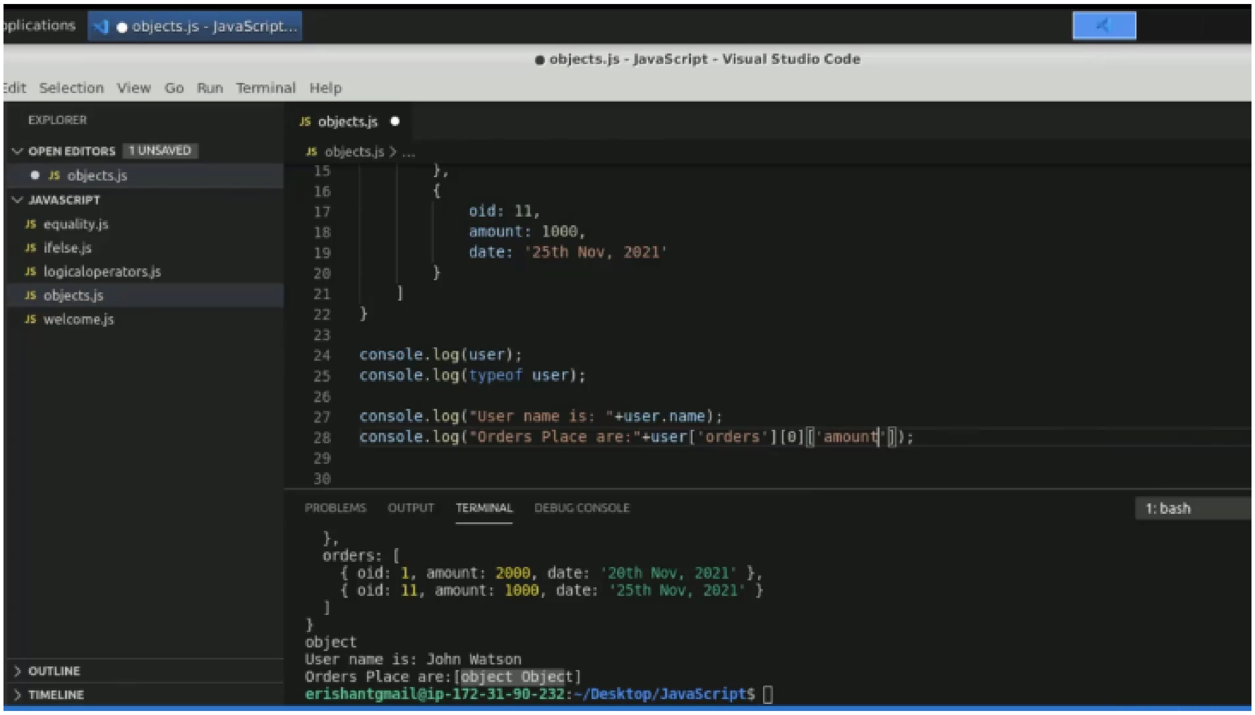
16. Save it and re-run the code.



```
            },
            {
                oid: 11,
                amount: 1000,
                date: '25th Nov, 2021'
            }
        ]
    }

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Place are:"+user['orders'][0]);
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:[object Object]
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

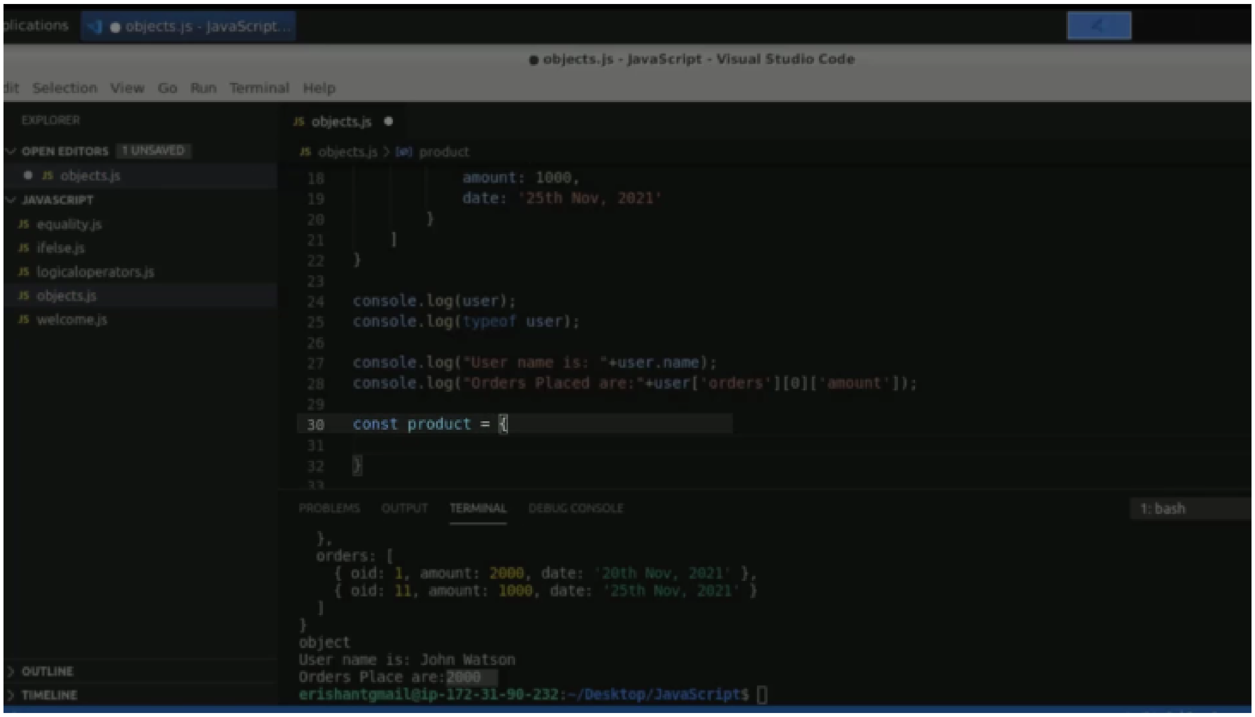
17. Nest the statement one more time with the attribute as ‘amount’.



```
            },
            {
                oid: 11,
                amount: 1000,
                date: '25th Nov, 2021'
            }
        ]
    }

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Place are:"+user['orders'][0]['amount']);
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:[object Object]
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

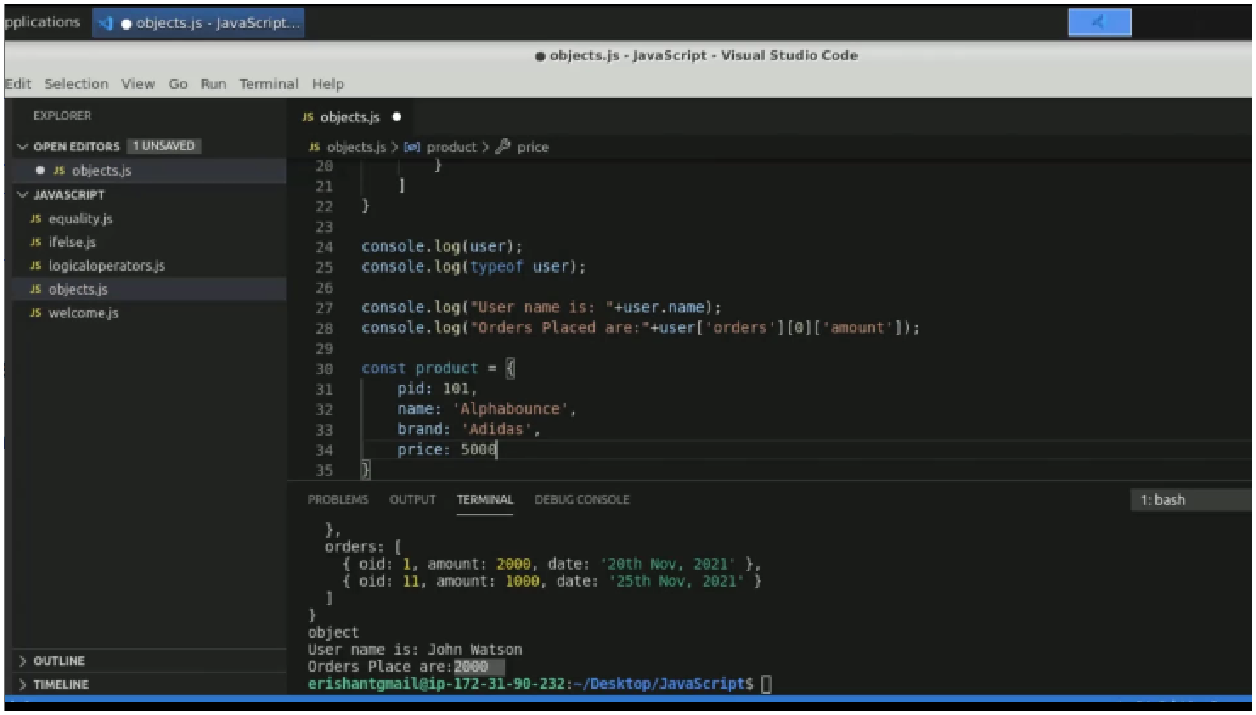
18. Create an object called ‘product’.



```
                amount: 1000,
                date: '25th Nov, 2021'
            }
        ]
}

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Placed are:"+user['orders'][0]['amount']);

const product = {

}
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:2000
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ 
```

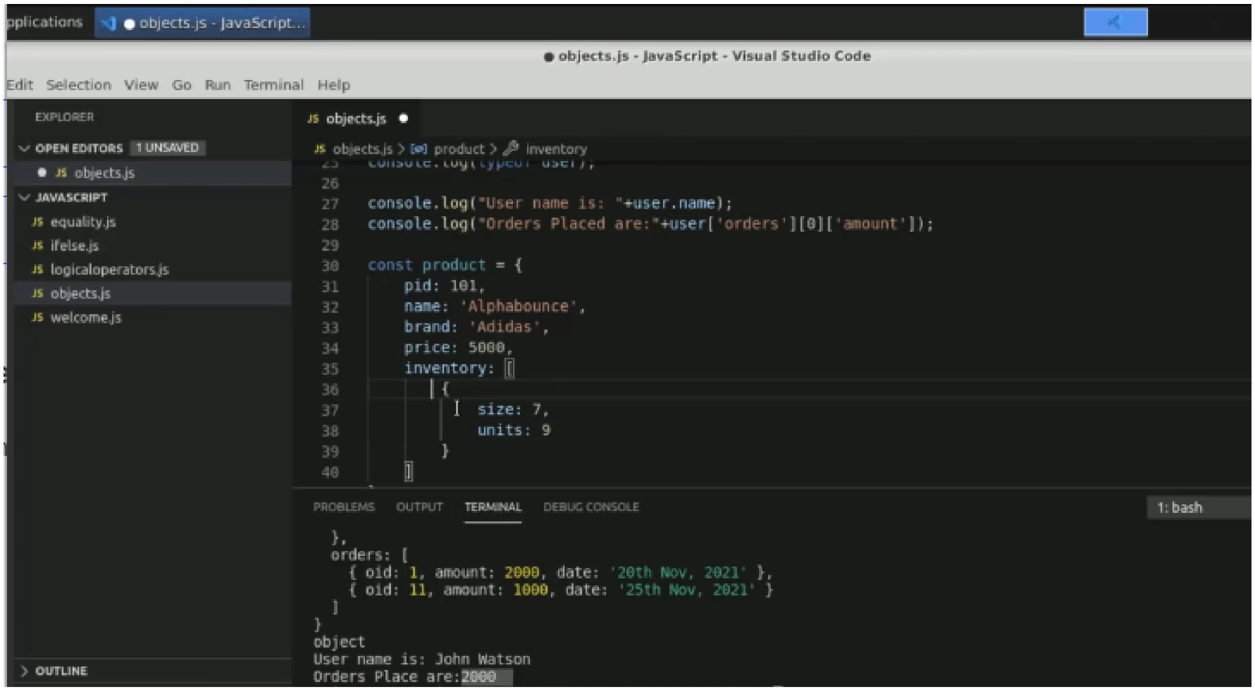
19. Add product id, name, brand, and price as attributes.


pplications
objects.js - JavaScript...
● objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > product > price
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
            }
        ]
}

console.log(user);
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Placed are:"+user['orders'][0]['amount']);

const product = {
    pid: 101,
    name: 'Alphabounce',
    brand: 'Adidas',
    price: 5000
}
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:2000
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$ 
```

20. Add more attributes as ‘inventory’. Pass objects within it such as; size, units, etc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OPEN EDITORS 1 UNSAVED
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
objects.js
objects.js > product > inventory
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

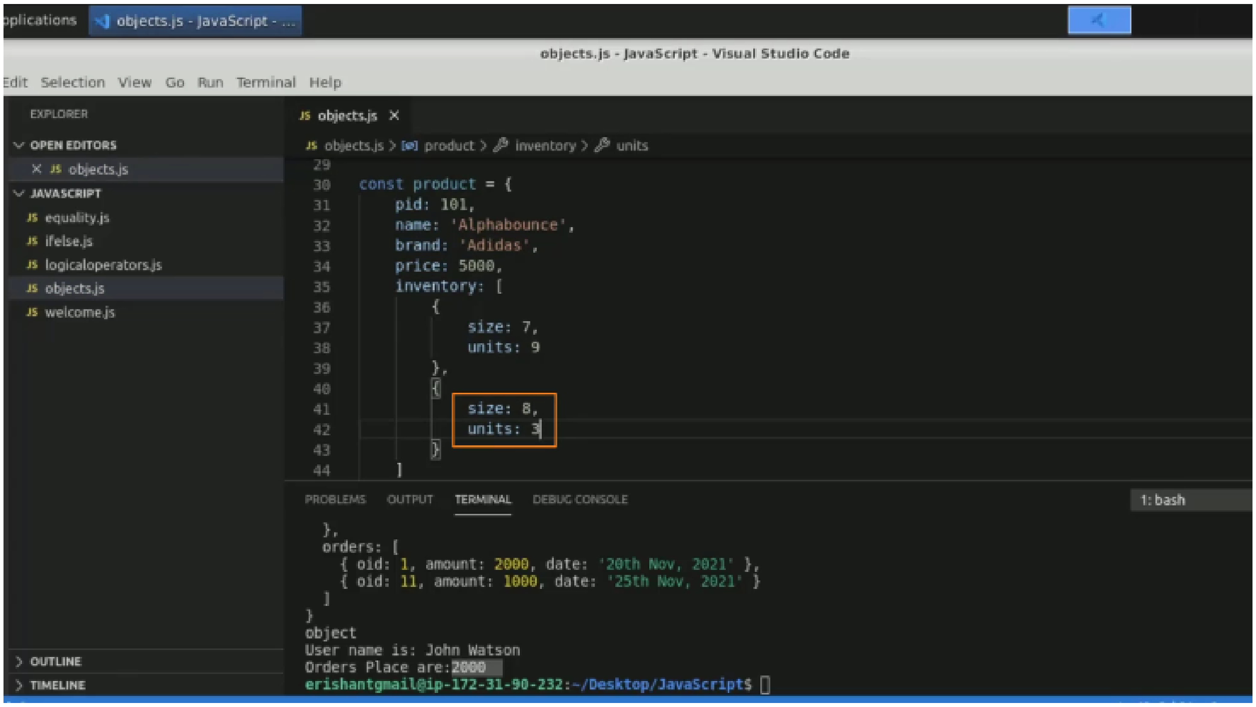
```
console.log(typeof user);

console.log("User name is: "+user.name);
console.log("Orders Placed are:"+user['orders'][0]['amount']);

const product = {
    pid: 101,
    name: 'Alphabounce',
    brand: 'Adidas',
    price: 5000,
    inventory: [
        {
            size: 7,
            units: 9
        }
    ]
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:2000
```

21. Manage inventory for more objects with different sizes and units.

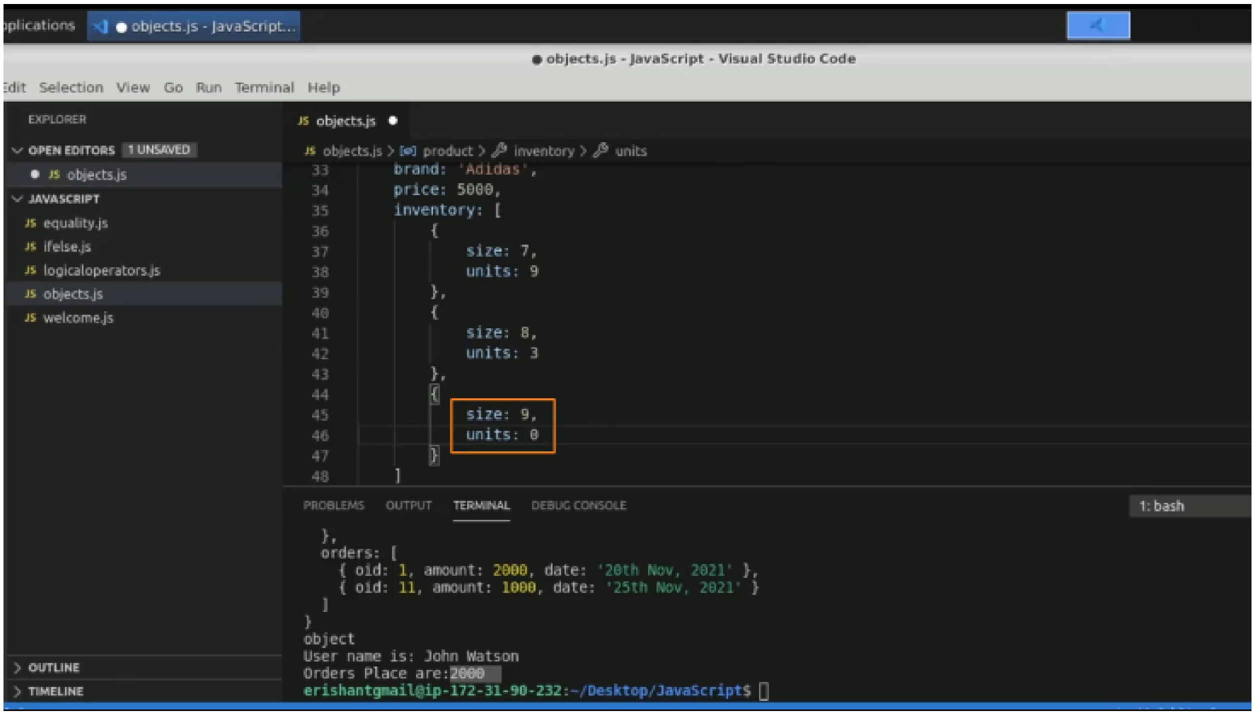

pplications
objects.js - JavaScript - ...
objects.js - JavaScript - Visual Studio Code
Edit Selection View Go Run Terminal Help
EXPLORER
OPEN EDITORS
objects.js
JAVASCRIPT
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js
objects.js > product > inventory > units
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```

const product = {
    pid: 101,
    name: 'Alphabounce',
    brand: 'Adidas',
    price: 5000,
    inventory: [
        {
            size: 7,
            units: 9
        },
        {
            size: 8,
            units: 3
        }
    ]
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:2000
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

22. Some more objects can be as follows:


objects.js - JavaScript - Visual Studio Code
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EXPLORER
OPEN EDITORS 1 UNSAVED
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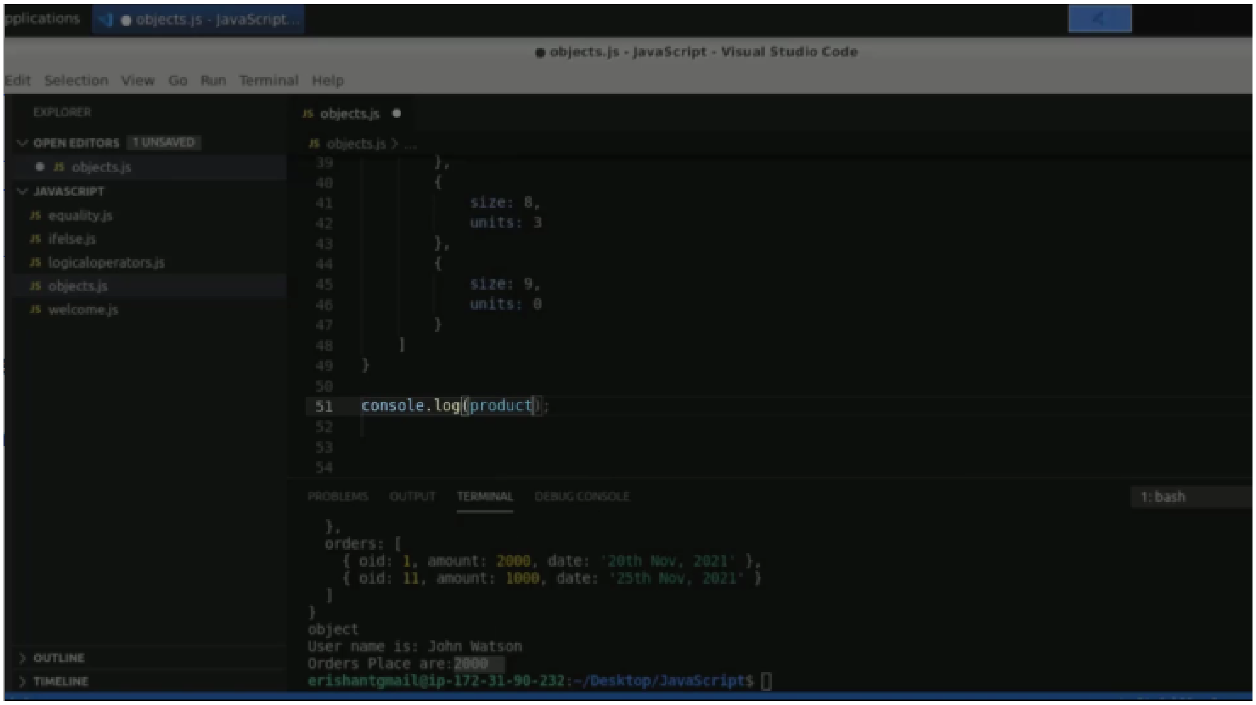
equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > product > inventory > units
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
    brand: 'Adidas',
    price: 5000,
    inventory: [
        {
            size: 7,
            units: 9
        },
        {
            size: 8,
            units: 3
        },
        {
            size: 9,
            units: 0
        }
    ]
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:2000
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

23. Log the product.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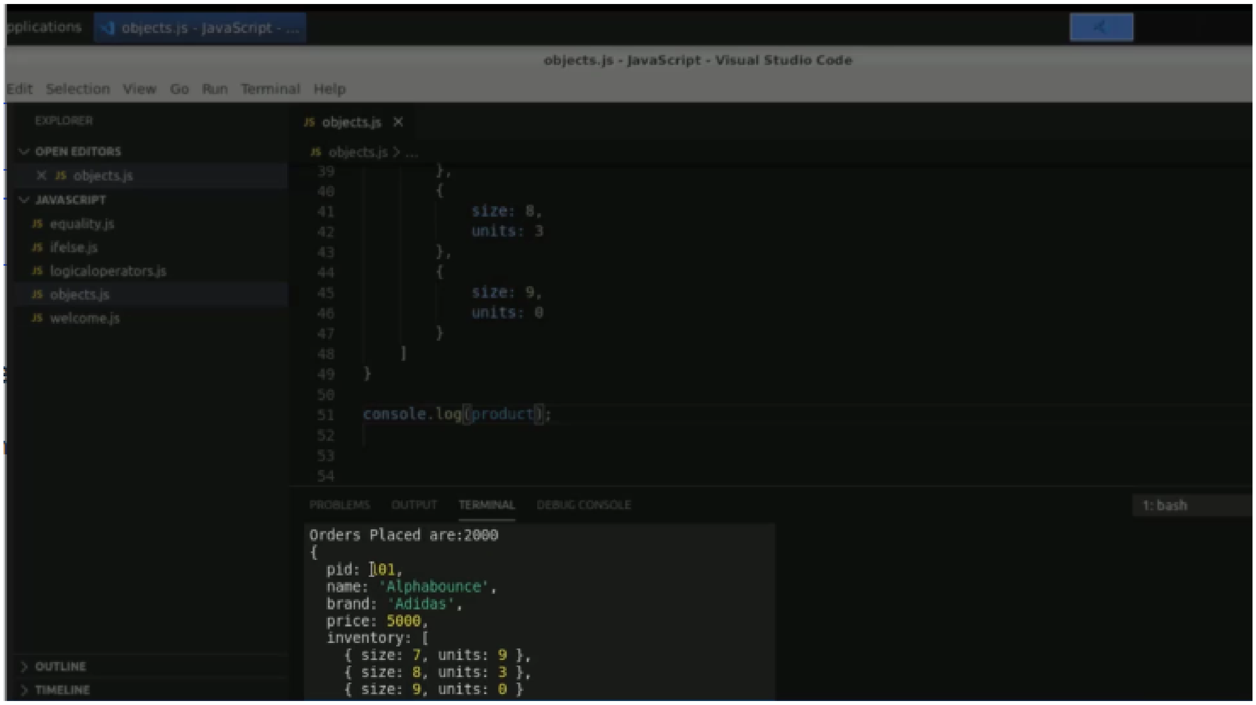
welcome.js
OUTLINE
TIMELINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
        },
        {
            size: 8,
            units: 3
        },
        {
            size: 9,
            units: 0
        }
    ]
}

console.log(product);
```

```
  },
  orders: [
    { oid: 1, amount: 2000, date: '20th Nov, 2021' },
    { oid: 11, amount: 1000, date: '25th Nov, 2021' }
  ]
}
object
User name is: John Watson
Orders Place are:2000
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

24. Save and run the code.


pplications
objects.js - JavaScript - ...
objects.js - JavaScript - Visual Studio Code
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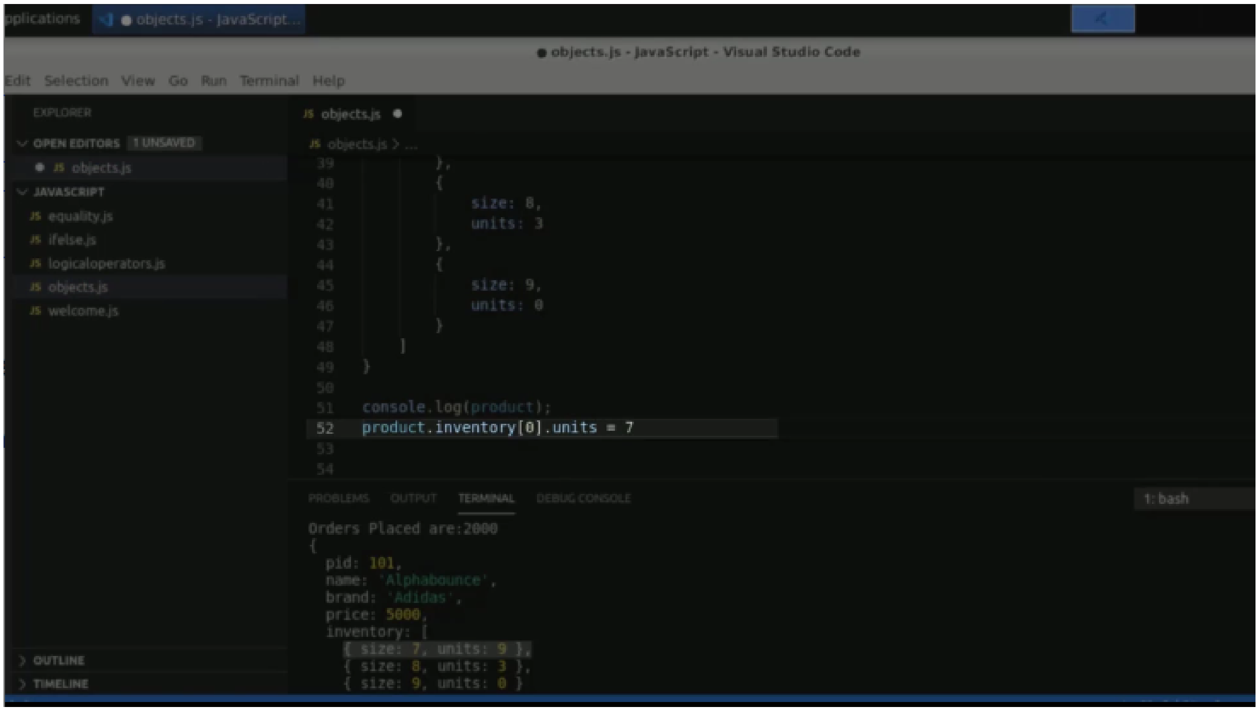
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
objects.js > ...
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
        },
        {
            size: 8,
            units: 3
        },
        {
            size: 9,
            units: 0
        }
    ]
}

console.log(product);
```

```
Orders Placed are:2000
{
  pid: 101,
  name: 'Alphabounce',
  brand: 'Adidas',
  price: 5000,
  inventory: [
    { size: 7, units: 9 },
    { size: 8, units: 3 },
    { size: 9, units: 0 }
```

25. Write product inventory as a zeroth index and update the units with seven.

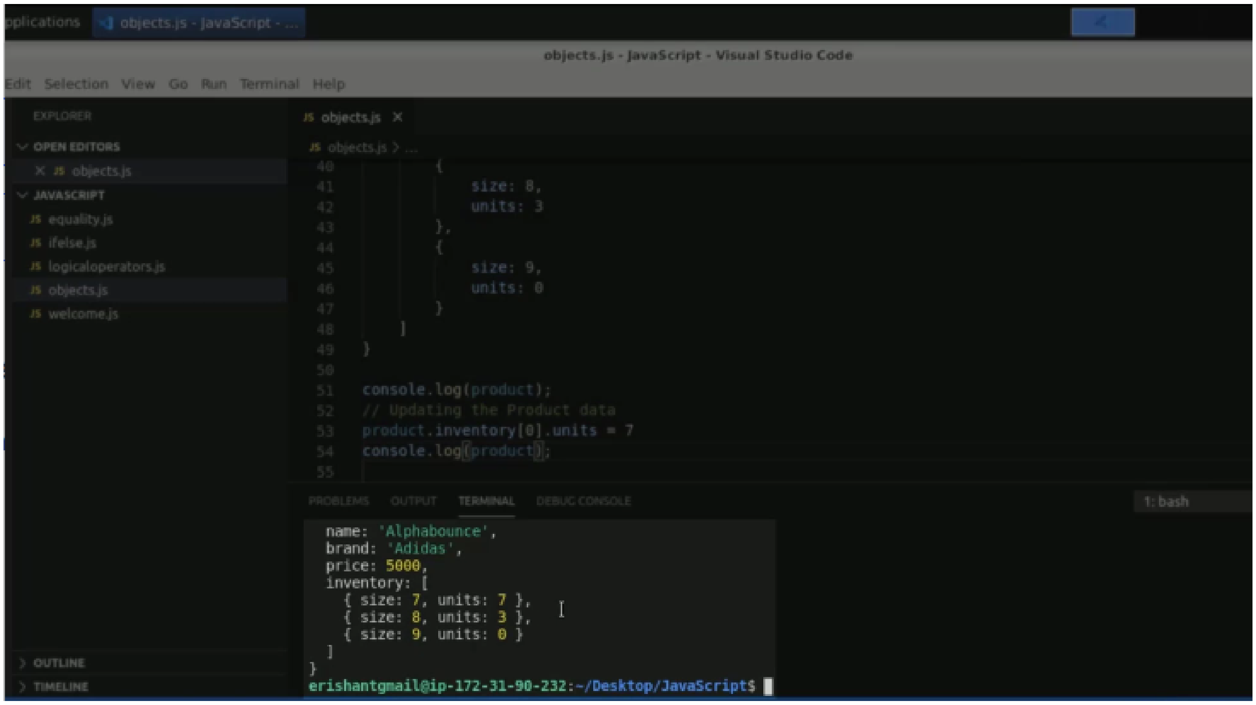


```
        },
        {
            size: 8,
            units: 3
        },
        {
            size: 9,
            units: 0
        }
    ]
}

console.log(product);
product.inventory[0].units = 7
```

```
Orders Placed are:2000
{
  pid: 101,
  name: 'Alphabounce',
  brand: 'Adidas',
  price: 5000,
  inventory: [
    { size: 7, units: 9 },
    { size: 8, units: 3 },
    { size: 9, units: 0 }
```

26. Run the program.

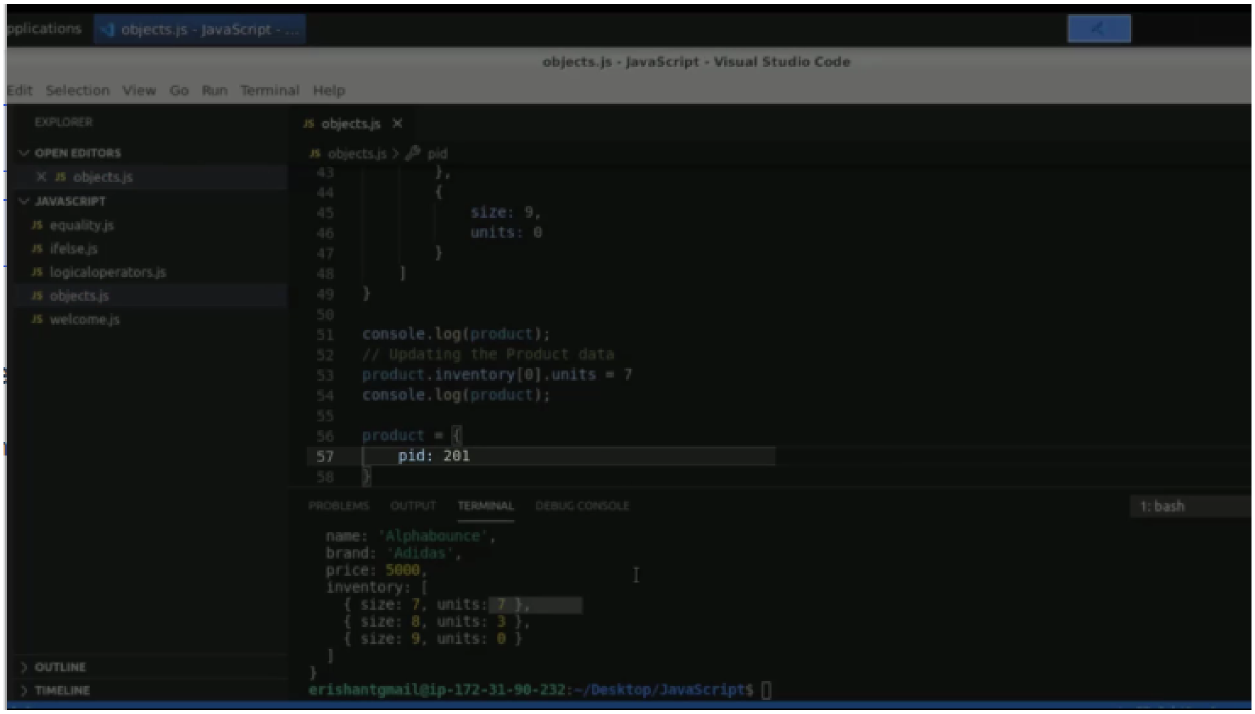


```
            {
                size: 8,
                units: 3
            },
            {
                size: 9,
                units: 0
            }
        ]
}

console.log(product);
// Updating the Product data
product.inventory[0].units = 7
console.log(product);
```

```
  name: 'Alphabounce',
  brand: 'Adidas',
  price: 5000,
  inventory: [
    { size: 7, units: 7 },
    { size: 8, units: 3 },
    { size: 9, units: 0 }
  ]
}
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

27. Put a product id as 201 in a new product object.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objects.js
welcome.js
OUTLINE
TIMELINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

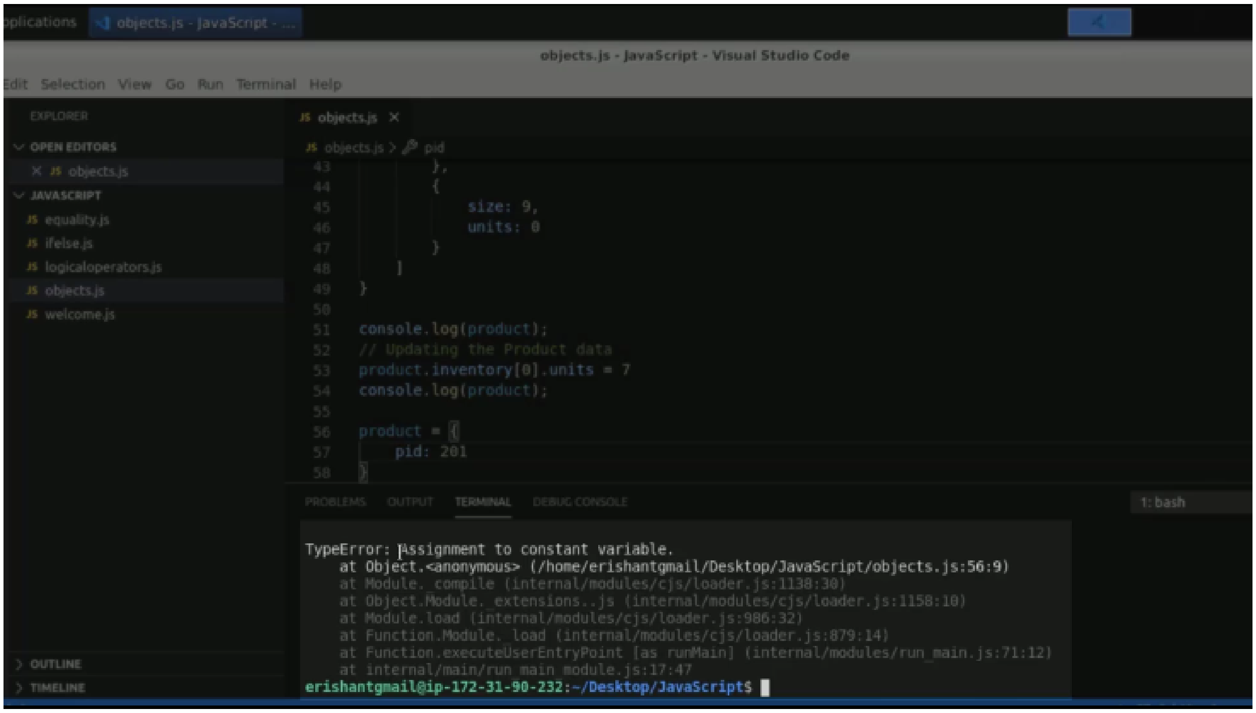
```
            },
            {
                size: 9,
                units: 0
            }
        ]
}

console.log(product);
// Updating the Product data
product.inventory[0].units = 7
console.log(product);

product = {
    pid: 201
}
```

```
  name: 'Alphabounce',
  brand: 'Adidas',
  price: 5000,
  inventory: [
    { size: 7, units: 7 },
    { size: 8, units: 3 },
    { size: 9, units: 0 }
  ]
}
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```

28. Run the program.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equality.js
ifelse.js
logicaloperators.js
objects.js
welcome.js
OUTLINE
TIMELINE
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
1: bash

```
            },
            {
                size: 9,
                units: 0
            }
        ]
}

console.log(product);
// Updating the Product data
product.inventory[0].units = 7
console.log(product);

product = {
    pid: 201
}
```

```
TypeError: Assignment to constant variable.
    at Object.<anonymous> (/home/erishantgmail/Desktop/JavaScript/objects.js:56:9)
    at Module._compile (internal/modules/cjs/loader.js:1138:30)
    at Object.Module._extensions..js (internal/modules/cjs/loader.js:1158:10)
    at Module.load (internal/modules/cjs/loader.js:986:32)
    at Function.Module._load (internal/modules/cjs/loader.js:879:14)
    at Function.executeUserEntryPoint [as runMain] (internal/modules/run_main.js:71:12)
    at internal/main/run_main_module.js:17:47
erishantgmail@ip-172-31-90-232:~/Desktop/JavaScript$
```