



File Edit Selection View Go Run Terminal Help

Task 5

CHAT

EXPLORER

JS Hierarchy.js JS Prototype.js

OPEN EDITORS

JS Hierarchy.js JS Prototype.js

TASKS

JS Hierarchy.js JS Prototype.js

29

class admin extends user { //child class inherits from user

30

31 constructor(name,email,password,pin,role) { //admin has name,email, and extra own property is role

32

33 super(name, email,password,pin) //calls constructor of parent class user

34

35 this.role = role;

36

37 showadminInfo() {

38

39 this.showInfo();

40

41 this.showPinInsideClass();

42

43 console.log("admin role:", this.role);

44

45 }

46

47 const user1 = new user("priya","priya@2001","p155",123); //create object for user class

48

49 user1.showInfo(); //only show name and email

50

51 console.log("access password using getter:", user1.password);

52

53 user1.password = "pc125";

54

55 console.log("updated password:", user1.password);

56

57 user1.showPinInsideClass(); //only access inside same class

58

59 const admin1 = new admin("mrung","mrung2000","admin1",1234,"super admin"); //create object for admin class

60

61 admin1.showadminInfo(); //only show name,email and role

62

63 console.log(user1.checkPassword("1255"));

64

65 // console.log(user1.#password);//cannot access private fields give error

66

67

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

powershell

PS C:\Users\User\Desktop\Tasks Training\Task 5> node .\Hierarchy.js

user name: priya

user email: priya@2001

access password using getter: p155

updated password: pc125

user pin: 123

user names mrung

user email: mrung2000

user pin: 1234

admin role: super admin

false

PS C:\Users\User\Desktop\Tasks Training\Task 5> |

OUTLINE

TIMELINE

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Ask about your code

AI responses may be inaccurate.

[Generate AI Instructions](#) to onboard AI onto your codebase.

SUGGESTED ACTIONS

Build Workspace Show Config

JS Hierarchy.js

Activate Windows

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TASKS

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```
1 function User(name, email, age) { //constructor functions are used to create multiple objects with similar properties
2   this.name = name;
3   this.email = email;
4   this.age = age;
5 }
6
7 User.prototype.greet = function() { //prototype-based utility function: greet 1st function
8   console.log(`hello ${this.name}!`);
9 }
10
11 User.prototype.isAdult = function() { //check if user is adult 2nd function prototype
12   if(this.age >= 18) {
13     console.log(`${this.name} is an adult`);
14   }
15   else{
16     console.log(`${this.name} is not an adult`);
17   }
18 }
19
20 User.prototype.updateEmail = function(newEmail) { //3rd function prototype
21   this.email = newEmail;
22   console.log(`${this.name} is now mail is ${this.email}`);
23 }
24
25 const user1 = new User("priya", "priya@gmail.com", 24) //create user object
26 const user2 = new User("neha", "neha@gmail.com", 15);
27
28 user1.greet();
29 user1.isAdult();
30 user1.updateEmail("priya01@gmail.com");
31
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

powerShell

PS C:\Users\User\Desktop\Tasks Training\Task 5> node .\Hierarchy.js
user name: priya
user email: priya@2001
access password using getter: p155
updated password: pcl25
user pin: 123
user names: mrun
user email: mrung2000
user pin: 1234
admin role: super admin
false
PS C:\Users\User\Desktop\Tasks Training\Task 5> |

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```
1 function User(name, email, age) { //constructor functions are used to create multiple objects with similar properties
18
11 User.prototype.isAdult = function() { //check if user is adult 2nd function prototype
12 if(this.age >= 18) {
13     console.log(`${this.name} is an adult`);
14 }
15 else{
16     console.log(`${this.name} is not an adult`);
17 }
18 }
19
20 User.prototype.updateEmail = function(newEmail) { //3rd function prototype
21     this.email = newEmail;
22     console.log(`${this.name} is new mail is ${this.email}`)
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25 const user1 = new User("priya", "priya@gmail.com", 24) //create user object
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28 user1.greet();
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31
32 user2.greet();
33 user2.isAdult();
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```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

powerShell

```
PS C:\Users\User\Desktop\Tasks Training\Task 5> node .\Hierarchy.js
user name: priya
user email: priya@2001
access password using getter: p155
updated password: pcl25
user pin: 123
user names: mrun
user email: mrung2000
user pin: 1234
admin role: super admin
false
PS C:\Users\User\Desktop\Tasks Training\Task 5>
```

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SUGGESTED ACTIONS

Build Workspace

Show Config

JS Prototype.js

X

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