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Problem Statement:
You are tasked with implementing a simple banking system using JavaScript classes. Your system should have
Dbalance: The current balance in the account.
   constructor (owner,balance){
       this.owner = owner;
       this.balance = balance;
deposit(amount) {
       if (amount > 0) {
           this.balance += amount;
           console.log(`${amount} deposited. New balance is ${this.balance}.`);
           console.log("Deposit amount must be positive.");
withdraw(amount){
        if(amount>0 && amount <= this.balance){</pre>
           this.balance-=amount;
           console.log(`${this.owner} withdrw amount`);
           console.log("withdrawl amunt is greater than balance and it is not positive");
// This class should inherit from the BankAccount class and have the following additional features:
class SavingsAccount extends BankAccount {
 constructor(owner, balance = 0, interestRate = 0) {
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super(owner, balance);
this.interestRate = interestRate;
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// DinterestRate: The annual interest rate for the saving

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addInterest() {
   const interest = this.balance * this.interestRate / 100;
   this.balance += interest;
   console.log(`${this.owner} earned $${interest} interest. New balance: $${this.balance}`);
class CheckingAccount extends BankAccount {
 constructor(owner, balance = 0, overdraft = 0) {
   super(owner, balance);
   this.overdraft = overdraft;
```

withdraw(amount) {

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if (amount > 0 && amount <= this.balance + this.overdraft) {
    this.balance -= amount;
    console.log(`${this.owner} withdrew $${amount}. New balance: $${this.balance}`);
} else {
    console.log('Withdrawal amount exceeds balance and overdraft limit or is not positive');
}
}
// Task:
// 1.Implement the BankAccount, SavingsAccount, and CheckingAccount classes as described above.
// 2.Create instances of each class and demonstrate the functionality of their methods by performing various deposit, withdrawal, and interest addition operations.
// 3.Test the inheritance relationship by using the instanceof operator to verify that instances of SavingsAccount and CheckingAccount are also instances of BankAccount.
const bankAccount = new BankAccount('mani', 1000);
bankAccount.deposit(500);
bankAccount.withdraw(200);</pre>
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const savingsAccount = new SavingsAccount('manoj', 2000, 5);
savingsAccount.deposit(500);
savingsAccount.withdraw(200);
savingsAccount.addInterest();
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const checkingAccount = new CheckingAccount('Chinna', 500, 200);
checkingAccount.deposit(300);
checkingAccount.withdraw(1000);
checkingAccount.withdraw(50);
```

```
// Test inheritance relationship
console.log(savingsAccount instanceof BankAccount); // true
console.log(checkingAccount instanceof BankAccount); // true
console.log(savingsAccount instanceof SavingsAccount); // true
console.log(checkingAccount instanceof CheckingAccount); // true
```