```java
import java.util.Scanner;

class Account{
    String cust_name;
    String acc_num;
    String acctype;
    double balance;

    public void Setdetails(String name , String num , String type , double
bal)
    {
        this.cust_name = name ;
        this.acc_num = num;
        this.acctype = type;
        this.balance = bal;
    }

    public void print() {
        System.out.println("Account name: " + cust_name + ", Account number: "
+ acc_num + ", Account type: " + acctype + ", Current Balance: " + balance);
    }


    public boolean minbalance()
    {
        if(balance<500){
            System.out.println("The balance is below the minimum balance level
and 100 fine is imposed ");
            balance = balance -100;
            return true;
        }
        else{
            System.out.println("The balance is above the min balance level");
            return false;
        }



    }

}
```

```java
class Savings extends Account {

    public void CI(double P , double r , double n , double t)
    {
        double amount = P * Math.pow((1+ r/n ), (n*t));
        double compound = amount - P;
        System.out.println("The compound interest obtained is : "+compound);
    }

    public void withdrawl(double amt)
    {
        if(minbalance()==false)
        {
            if(balance-amt >= 500 )
            {
                balance = balance -amt;
                System.out.println("Amount"+amt+"is withdrawn");
                System.out.println("The new balance is : "+balance);
            }
            else{
                System.out.println("Cannot withdraw breaches minimum balance
criteria");
            }
        }

        else{
            System.out.println("Cannot withdraw breaches minimum balance
criteria ");
        }
    }

    public void deposit(double amt){
        balance = balance + amt;
        System.out.println("Amount "+amt+" has been deposited . The new
balance is : "+balance);
    }
}

class Current extends Account{
    public void chequebook(){
        System.out.println("Chequebook is issued ");
    }
}


public class Bank {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
```

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        int n ;
        System.out.println("Enter the number of accounts you want to enter :
");
        n = sc.nextInt();
        sc.nextLine();
        for(int i=1 ; i<=n ; i++){
            System.out.println("Enter the name of the customer : ");
            String name = sc.nextLine();
            System.out.println("Enter the acccount number : ");
            String num = sc.nextLine();
            System.out.println("Enter the type of the account Savings/Current
: ");
            String type = sc.next();
            if(type.equalsIgnoreCase("savings"))
            {
                System.out.println("Enter the balance in the account : ");
                double bal = sc.nextDouble();
                Savings s = new Savings();
                s.Setdetails(name , num, type, bal);
                s.print();
                boolean running = true;
                while(running){
                    System.out.println("Enter the choice \n 1.Compound
interest \n 2.Withdrawl \n 3.Deposit \n 4.Exit ");
                    System.out.println("Choice : ");
                    int chose = sc.nextInt();
                    switch (chose) {
                        case 1:
                            System.out.println("Enter Principal , rate , n,
time ");
                            double pr=sc.nextDouble();
                            double r = sc.nextDouble();
                            double na = sc.nextDouble();
                            double t = sc.nextDouble();
                            s.CI(pr,r,na,t);
                            break;
                        case 2:
                            System.out.println("Enter the amount to withdraw :
");
                            double w = sc.nextDouble();
                            s.withdrawl(w);
                            break;
                        case 3:
                            System.out.println("Enter the amount to deposit :
");
                            double d = sc.nextDouble();
                            s.deposit(d);
                            break;
```

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                case 4:
                    running = false;
                    break;
                default:
                    System.out.println("Invalid choice ");
                    break;
                }
            }
        }
        else if (type.equalsIgnoreCase("current"))
        {
            System.out.println("Enter the balance in the account : ");
            double bal = sc.nextDouble();
            Current c = new Current();
            c.Setdetails(name, num, type, bal);
            c.print();
            c.chequebook();
        }
        else {
            System.out.println("Invalid choice ");
        }

    }
  }
}
```

Output

```
C:\1wn24cs222>javac Bank.java

C:\1wn24cs222>java Bank
Enter the number of accounts you want to enter :
2
Enter the name of the customer :
Rakesh
Enter the acccount number :
sbiin234444
Enter the type of the account Savings/Current :
savings
Enter the balance in the account :
1000
Account name: Rakesh, Account number: sbiin234444, Account type: savings, Current Balance: 1000.0
Enter the choice
 1.Compound interest
 2.Withdrawl
 3.Deposit
 4.Exit
Choice :
2
Enter the amount to withdraw :
500
The balance is above the min balance level
Amount500.0is withdrawn
The new balance is : 500.0
Enter the choice
 1.Compound interest
 2.Withdrawl
 3.Deposit
 4.Exit
Choice :
3
Enter the amount to deposit :
450
Amount 450.0 has been deposited . The new balance is : 950.0
Enter the choice
 1.Compound interest
 2.Withdrawl
 3.Deposit
 4.Exit
Choice :
4
Enter the name of the customer :
jai
Enter the acccount number :
sbiin345999
Enter the type of the account Savings/Current :
current
Enter the balance in the account :
5000
Account name: jai, Account number: sbiin345999, Account type: current, Current Balance: 5000.0
Chequebook is issued

C:\1wn24cs222>
```