```
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     week8Bank.java
          void cheque_book_facility() {
 40
 41
              System.out.println("Check book facility is not available.");
 42
 43
          double display() {
 44
 45
              return amount;
 46
 47
 48
          double withdrawl(int w_amount) {
              if (w_amount>amount) {
 49
 50
                  System.out.println("Not enough balance\n Cannot process further");
 51
                  return amount;
 52
 53
              amount = amount - w amount;
 54
              if(amount < 500) {
 55
                  System.out.println("Your balance has fallen below the limit.\nRs.50 is being deducted");
 56
                  amount = amount - 50;
 57
 58
              return amount;
 59
 60
     }
 61
 62
      class current_acc extends Account {
 63
          Scanner inp = new Scanner(System.in);
 64
          int amount;
 65
 66
          current_acc() {
 67
              getData();
              System.out.print("Enter the amount you want to deposit(Minimum Rs.500) : ");
 68
 69
              amount = inp.nextInt();
 70
 71
 72
          void cheque_book_facility() {
 73
              System.out.println("Check book facility is available.");
 74
          }
 75
 76
          double display() {
 77
              return amount;
```

```
week8Bank.java
 80
         double withdrawl(int w amount) {
 81
             if (w amount>amount) {
 82
                 System.out.println("Not enough balance\n Cannot process further");
 83
                 return amount;
             }
 84
 85
             amount = amount - w amount;
 86
             if(amount < 500) {
 87
                 System.out.println("Your balance has fallen below the limit.\nRs.50 is being deducted");
 88
                 amount = amount - 50:
 89
 90
             return amount:
 91
 92
 93
 94
     class week8Bank {
 95
         public static void main(String args[]) {
             Scanner inp = new Scanner(System.in);
 96
 97
             System.out.println("-----WELCOME TO ONLINE BANK-----");
 98
             System.out.println("What type of account you want to open: ");
             System.out.println("1.Savings Account\n2.Current Account\n3.Exit");
 99
100
             System.out.print("Enter your choice : ");
101
             int opt = inp.nextInt();
102
103
             if(opt == 1) {
104
                 saving acc s = new saving acc();
105
                 System.out.println("You can choose from the given queries: ");
106
                 System.out.println("1.Calculate Compound Interest\n2.Check for Cheque Book facility\n3.Display Balance\n4.Withdraw
107
                 System.out.print("Query number : ");
                 int choice = inp.nextInt();
108
109
110
                 while(choice != 5) {
111
                     switch(choice) {
112
                         case 1 : s.cal compoundIntrest();
113
                                  break;
                         case 2 : s.cheque_book_facility();
114
115
                                  break:
                         case 3 : System.out.println("Balance : "+s.display());
116
117
                                  break:
```

```
4
     week8Bank.java
                  wnite(cnoice != 5) {
IIU
111
                      switch(choice) {
112
                          case 1 : s.cal compoundIntrest();
113
                                   break:
114
                          case 2 : s.cheque book facility();
115
                                   break:
116
                          case 3 : System.out.println("Balance : "+s.display());
117
                                   break;
118
                          case 4 : System.out.print("Enter the amount you want to withdraw : ");
119
                                   int amt = inp.nextInt();
120
                                   System.out.println("Balance after withdrawl : Rs."+s.withdrawl(amt));
121
                                   break:
122
123
                      System.out.print("Next Query number : ");
124
125
                      choice = inp.nextInt();
126
127
                  System.out.print("-----Visit Again----");
128
              }
129
130
131
              if(opt == 2) {
132
                  current_acc c = new current_acc();
                  System.out.println("You can choose from the given queries : ");
133
134
                  System.out.println("1.Check for Cheque Book facility\n2.Display Balance\n3.Withdraw Money\n4.Exit");
                  System.out.print("Query number : ");
135
                  int choice = inp.nextInt();
136
137
                  while(choice != 4) {
138
139
                      switch(choice) {
140
                          case 1 : c.cheque book facility();
141
                                   break:
                          case 2 : System.out.println("Balance : "+c.display());
142
143
                                   break:
                          case 3 : System.out.print("Enter the amount you want to withdraw : ");
144
145
                                   int amt = inp.nextInt();
146
                                   System.out.println("Balance after withdrawl : Rs. "+c.withdrawl(amt));
147
                                   break;
148
```

```
week8Bank.java
                     choice = inp.nextInt();
125
126
127
128
                 System.out.print("-----Visit Again-----");
129
130
131
             if(opt == 2) {
132
                 current acc c = new current acc();
133
                 System.out.println("You can choose from the given queries : ");
                 System.out.println("1.Check for Cheque Book facility\n2.Display Balance\n3.Withdraw Money\n4.Exit");
134
                 System.out.print("Query number : ");
135
                 int choice = inp.nextInt();
136
137
138
                 while(choice != 4) {
139
                     switch(choice) {
140
                         case 1 : c.cheque_book_facility();
141
                                  break:
142
                         case 2 : System.out.println("Balance : "+c.display());
143
                                  break:
144
                         case 3 : System.out.print("Enter the amount you want to withdraw : ");
145
                                  int amt = inp.nextInt();
146
                                  System.out.println("Balance after withdrawl : Rs. "+c.withdrawl(amt));
147
                                  break;
148
149
150
                     System.out.print("Next Query number : ");
151
                     choice = inp.nextInt();
152
153
                 System.out.print("-----Visit Again----");
154
155
156
157
158
159
160
161
162
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % java week8Bank
-----WELCOME TO ONLINE BANK-----
What type of account you want to open:
1. Savings Account
2.Current Account
3.Exit
Enter your choice: 1
Enter name of the user : Dhruv Dubey
Enter your account number : 12137134
Enter the amount you want to deposit (Minimum Rs. 500): 2000
You can choose from the given queries:
1.Calculate Compound Interest
2.Check for Cheque Book facility
3.Display Balance
4.Withdraw Money
5.Exit
Query number: 1
Enter rate of interest: 13
Enter the time period(in years): 2
The final amount user will have is 4000.0
Next Query number : 2
Check book facility is not available.
Next Query number: 3
Balance : 4000.0
Next Query number : 4
Enter the amount you want to withdraw: 3600
Your balance has fallen below the limit.
Rs.50 is being deducted
Balance after withdrawl: Rs.350.0
Next Query number: 3
Balance: 350.0
Next Query number: 5
------Visit Again-----%
dhruvdubey@Dhruvs-MacBook-Air JavaLab %
```

```
dhruvdubey@Dhruvs-MacBook-Air JavaLab % java week8Bank
-----WELCOME TO ONLINE BANK-----
What type of account you want to open:
1. Savings Account
2.Current Account
3.Exit
Enter your choice: 2
Enter name of the user : Dhruv Dubey
Enter your account number: 12346541
Enter the amount you want to deposit(Minimum Rs.500): 2800
You can choose from the given queries:
1. Check for Cheque Book facility
2.Display Balance
3.Withdraw Money
4.Exit
Query number: 1
Check book facility is available.
Next Query number : 2
Balance : 2800.0
Next Query number: 3
Enter the amount you want to withdraw: 1300
Balance after withdrawl : Rs. 1500.0
Next Query number: 3
Enter the amount you want to withdraw: 1700
Not enough balance
Cannot process further
Balance after withdrawl : Rs. 1500.0
Next Query number : 3
Enter the amount you want to withdraw: 1300
Your balance has fallen below the limit.
Rs.50 is being deducted
Balance after withdrawl : Rs. 150.0
Next Query number : 4
-----Visit Again-----%
dhruvdubey@Dhruvs-MacBook-Air JavaLab %
```