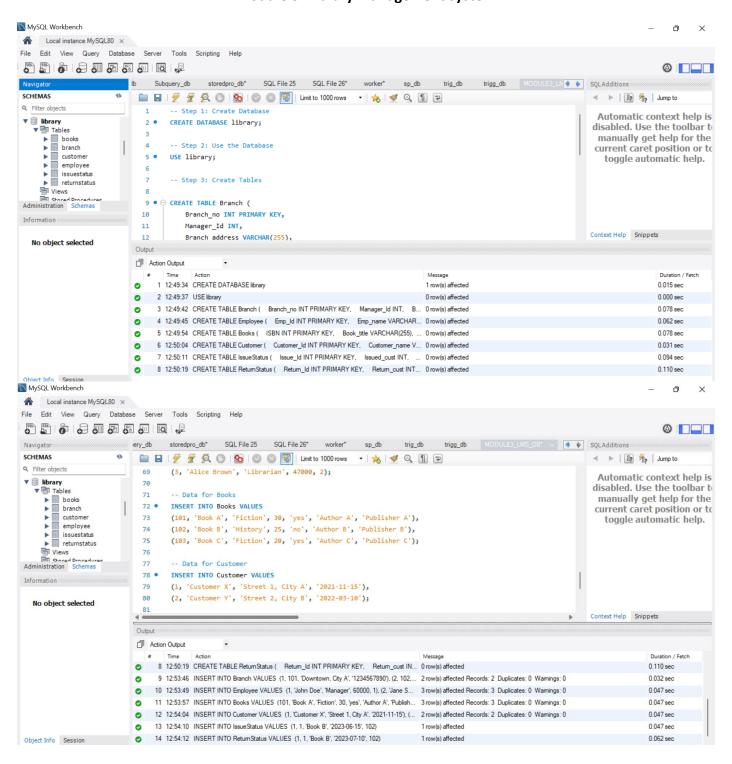
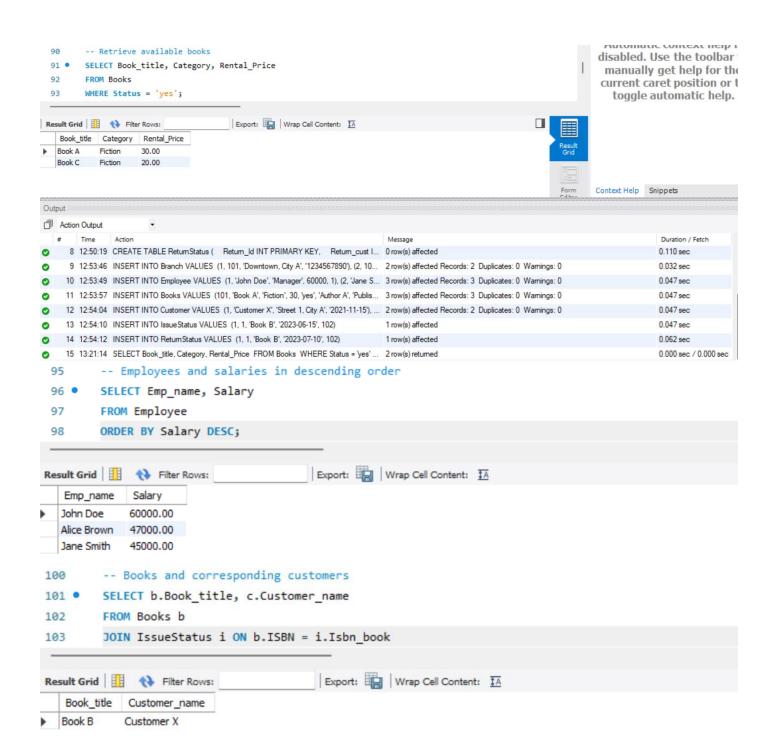
Module 3: Library management system





```
-- Count of books in each category
 106
           SELECT Category, COUNT(*) AS Total_Books
 107 •
           FROM Books
 108
           GROUP BY Category;
 109
 110
                                              Export: Wrap Cell Conter
 Result Grid Filter Rows:
     Category
              Total Books
    Fiction
              2
    History
              1
        -- Employees earning above Rs.50,000
111
         SELECT Emp name, Position
112 •
         FROM Employee
113
         WHERE Salary > 50000;
114
 115
                                          Export: Wrap Cell Content: 1A
Emp name
              Position
   John Doe
             Manager
       -- Customers registered before 2022 and not issued books
116
117 •
       SELECT c.Customer name
118
       FROM Customer c
       LEFT JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
119
       WHERE c.Reg_date < '2022-01-01' AND i.Issue_Id IS NULL;
120
121
                                  Export: Wrap Cell Content: $\frac{1}{4}
Customer_name
```

```
-- Branch-wise employee count
122
         SELECT Branch no, COUNT(*) AS Total Employees
123 •
         FROM Employee
124
          GROUP BY Branch no;
125
126
                                            Export: Wrap Cell Content: IA
Branch_no Total_Employees
   1
              2
   2
              1
       -- Customers who issued books in June 2023
127
       SELECT DISTINCT c.Customer name
128 •
       FROM Customer c
129
       JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
130
       WHERE MONTH(i.Issue date) = 6 AND YEAR(i.Issue date) = 2023;
131
132
Result Grid Filter Rows:
                                  Export: Wrap Cell Content: TA
  Customer_name
 Customer X
          -- Books containing 'History' in the title
133
134 •
         SELECT Book title
         FROM Books
135
         WHERE Book_title LIKE '%History%';
136
137
                                             Export: Wrap Cell Content: IA
Result Grid Filter Rows:
   Book_title
```

```
138
        -- Branches with more than 5 employees
        SELECT Branch_no, COUNT(*) AS Total_Employees
139
        FROM Employee
140
        GROUP BY Branch no
141
        HAVING COUNT(*) > 5;
142
143
                                        Export: Wrap Cell Content: ‡A
Result Grid Filter Rows:
   Branch_no
            Total_Employees
        -- Managers and their branch addresses
144
        SELECT e.Emp_name, b.Branch_address
145 •
        FROM Employee e
146
        JOIN Branch b ON e.Emp_Id = b.Manager_Id;
147
148
                                      Export: Wrap Cell Content: $\frac{1}{4}
Emp_name Branch_address
        -- Customers who issued books with rental price > 25
149
        SELECT DISTINCT c.Customer name
150 •
        FROM Customer c
151
        JOIN IssueStatus i ON c.Customer Id = i.Issued cust
152
        JOIN Books b ON i.Isbn book = b.ISBN
153
        WHERE b.Rental Price > 25;
154
155
                                      Export: Wrap Cell Content: IA
Customer_name
```