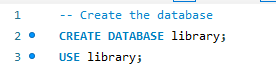
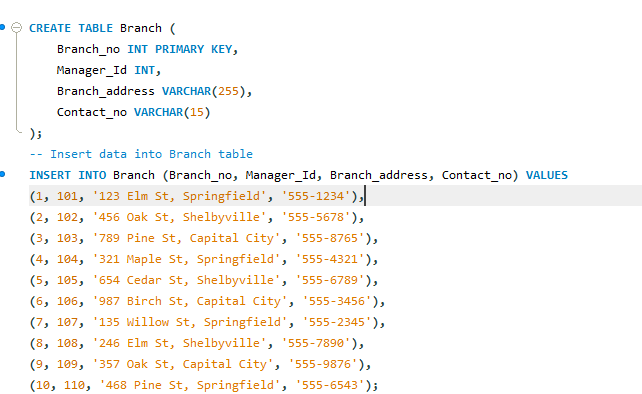
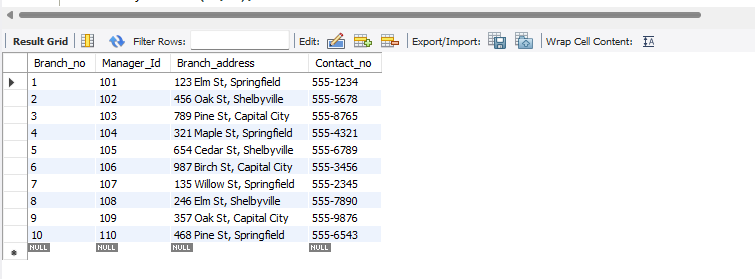
You are going to build a project based on Library Management System. It keeps track of all information about books in the library, their cost, status and total number of books available in the library.  
  
Create a database named library and following TABLES in the database:   
  
1. Branch   
2. Employee   
3. Books  
4. Customer  
5. IssueStatus  
6. ReturnStatus

  
  
Attributes for the tables:   
  
1. Branch  
  
• Branch\_no

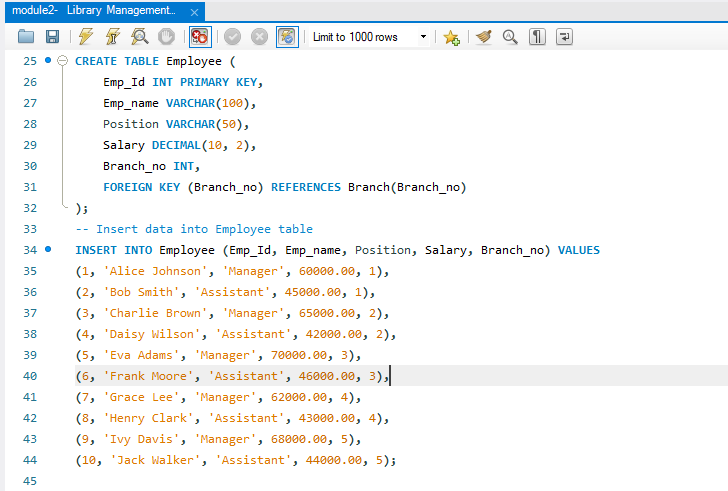
* Set as PRIMARY KEY    
  • Manager\_Id    
  • Branch\_address    
  • Contact\_no

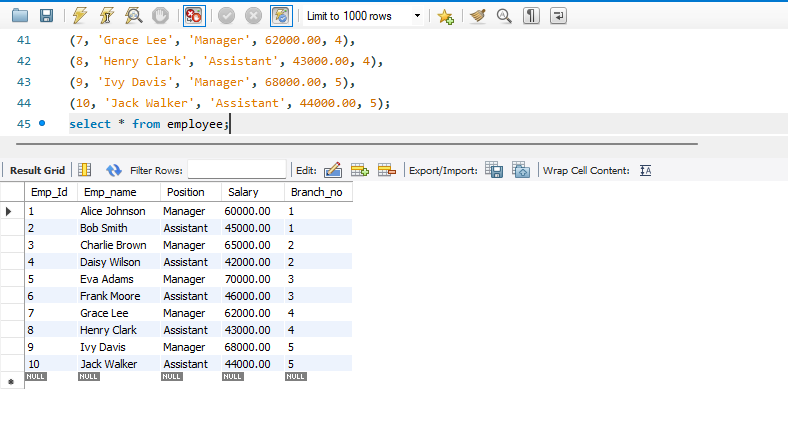




2. Employee    
  
• Emp\_Id – Set as PRIMARY KEY    
• Emp\_name    
• Position    
• Salary  
• Branch\_no

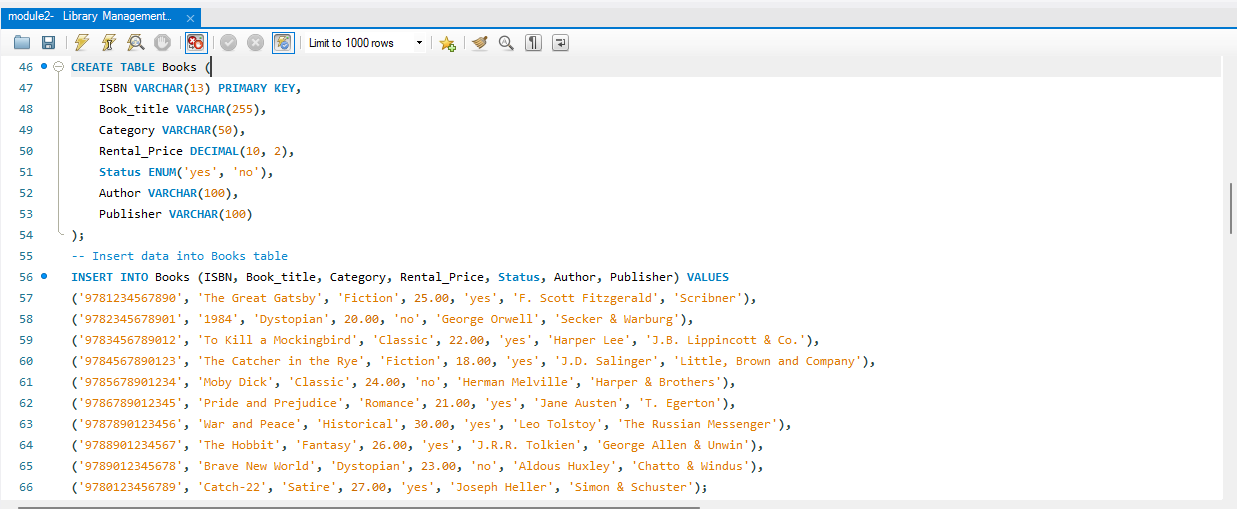
* Set as FOREIGN KEY and it refer Branch\_no in Branch table





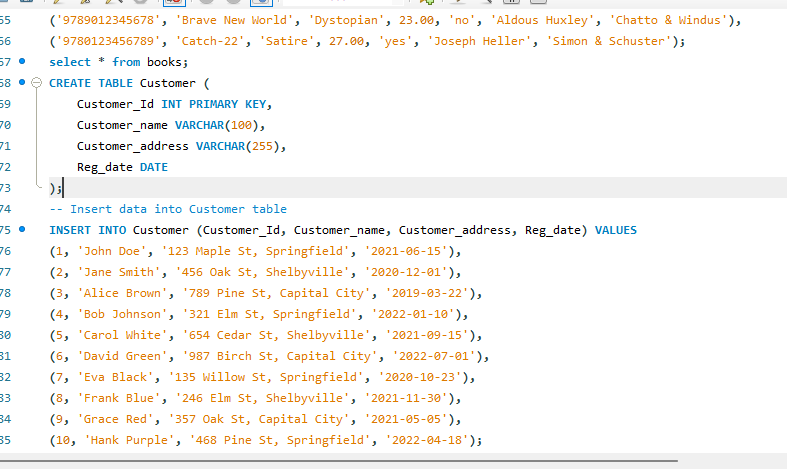
3. Books    
  
• ISBN

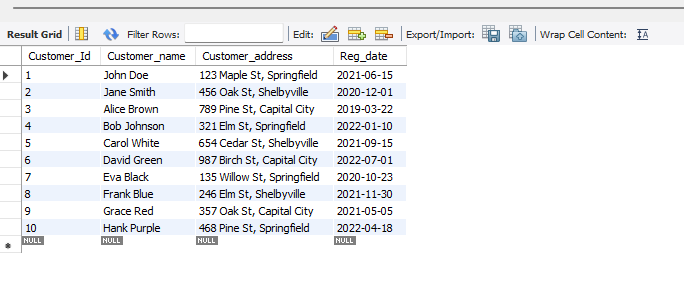
* Set as PRIMARY KEY    
  • Book\_title    
  • Category    
  • Rental\_Price    
  • Status [Give yes if book available and no if book not available]    
  • Author    
  • Publisher



4. Customer    
  
• Customer\_Id

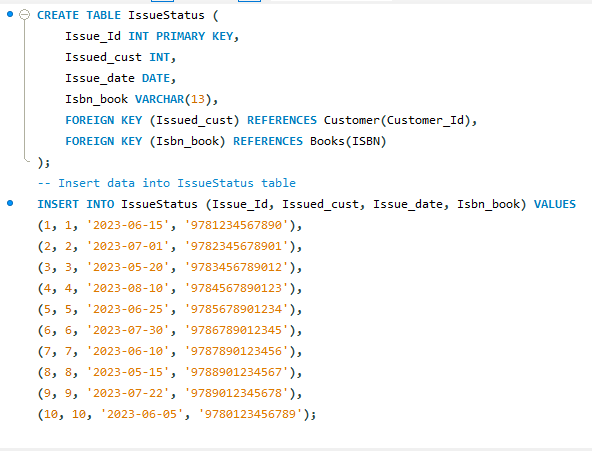
* Set as PRIMARY KEY    
  • Customer\_name    
  • Customer\_address    
  • Reg\_date

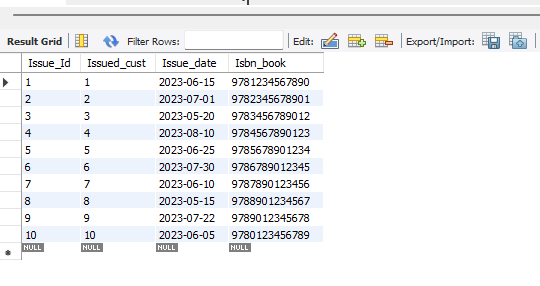




5. IssueStatus    
  
• Issue\_Id

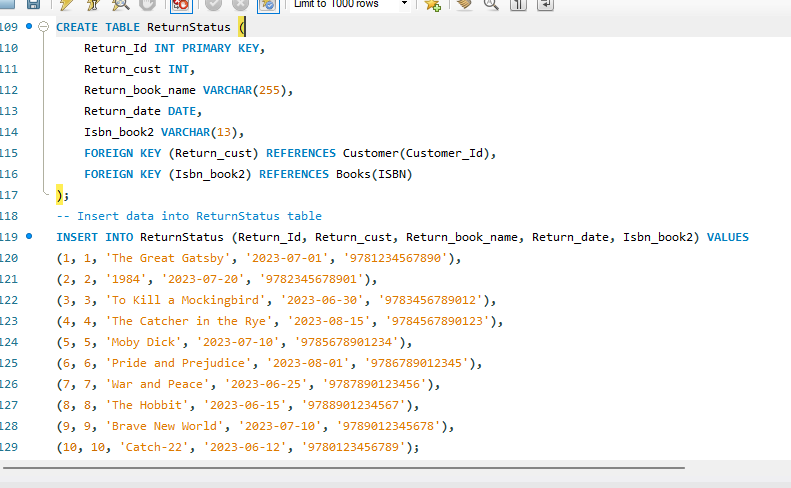
* Set as PRIMARY KEY    
  • Issued\_cust – Set as FOREIGN KEY and it refer customer\_id in CUSTOMER table  Issued\_book\_name   
  • Issue\_date   
  • Isbn\_book – Set as FOREIGN KEY and it should refer isbn in BOOKS table

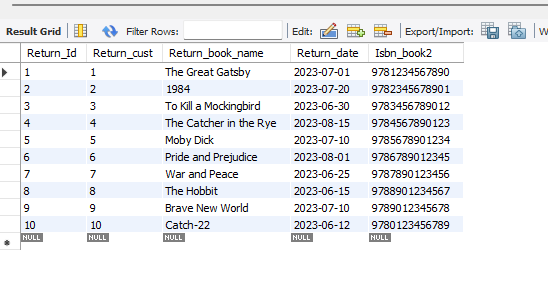




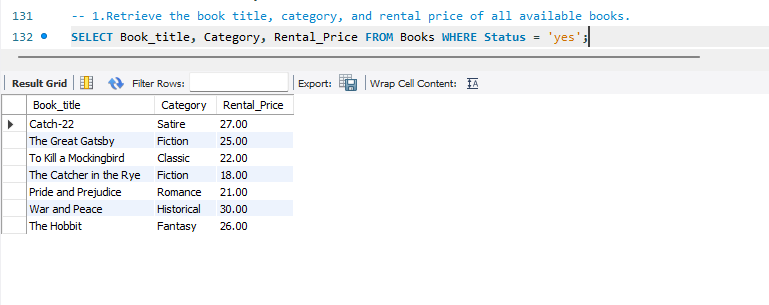
6. ReturnStatus    
  
• Return\_Id

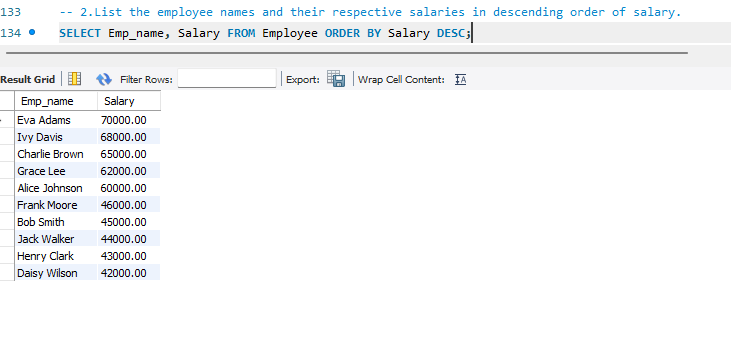
* Set as PRIMARY KEY    
  • Return\_cust    
  • Return\_book\_name    
  • Return\_date    
  • Isbn\_book2
* Set as FOREIGN KEY and it should refer isbn in BOOKS table



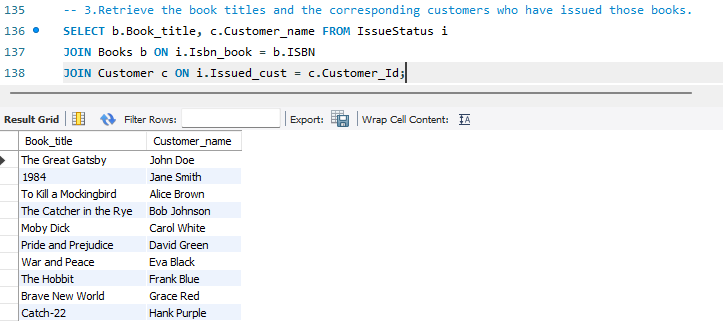


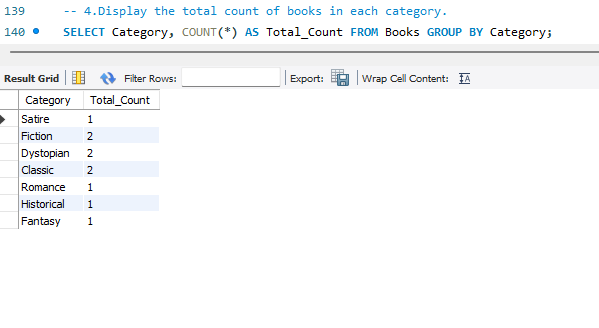
**QUESTIONS**

1. **Retrieve the book title, category, and rental price of all available books.**  
   
2. **List the employee names and their respective salaries in descending order of salary.**

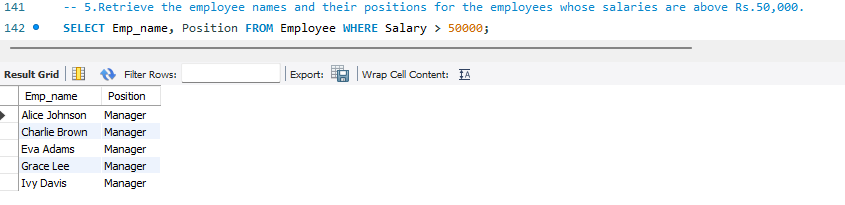


**3. Retrieve the book titles and the corresponding customers who have issued those books.**

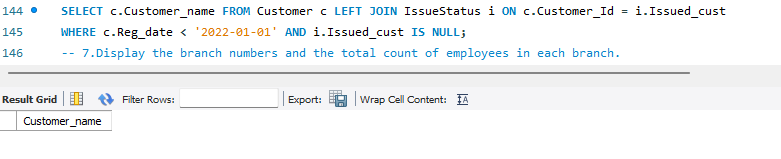
  
**4. Display the total count of books in each category.**

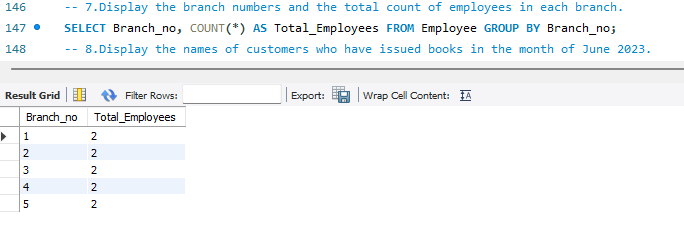


**5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.**

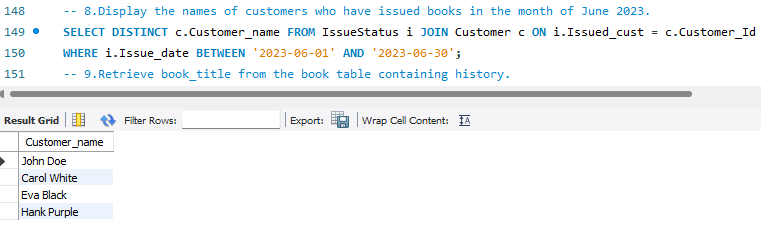


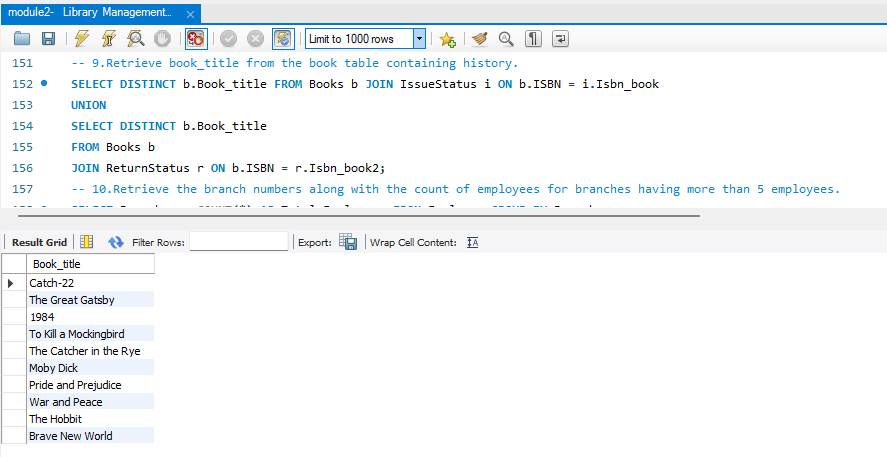
**6. List the customer names who registered before 2022-01-01 and have not issued any books yet.**

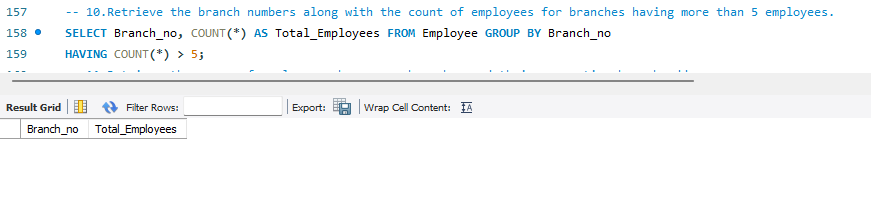
 **7. Display the branch numbers and the total count of employees in each branch.**

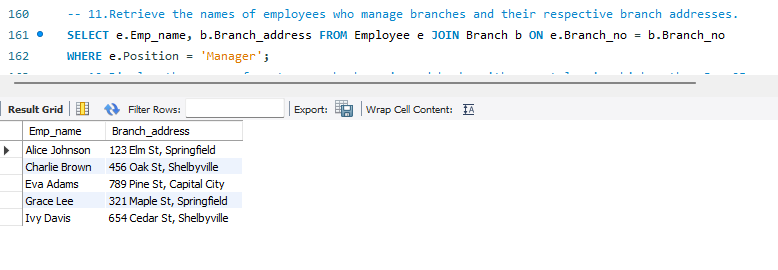


**8. Display the names of customers who have issued books in the month of June 2023.**

  
**9. Retrieve book\_title from book table containing history.**

 **10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees**

  
**11. Retrieve the names of employees who manage branches and their respective branch addresses.**

 **12.  Display the names of customers who have issued books with a rental price higher than Rs. 25.**

