

Question 1

```
112
113 -- Queries
114
115 -- 1. Retrieve the book title, category, and rental price of all available books
116 • SELECT Book_title, Category, Rental_Price
117 FROM Books
118 WHERE Status = 'yes';
119
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Book_title	Category	Rental_Price	
The Adventures of Sherlock Holmes	Mystery	35.00	
A History of the World in 100 Objects	History	40.00	
Mastering the Art of French Cooking	Cooking	28.00	
The Pragmatic Programmer	Technology	55.00	
The Great Gatsby	Literature	22.00	

Question 2

```
119
120 -- 2. List the employee names and their respective salaries in descending order of salary
121 • SELECT Emp_name, Salary
122 FROM Employee
123 ORDER BY Salary DESC;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Emp_name	Salary		
Sarah Johnson	65000.00		
John Smith	60000.00		
Emily Davis	45000.00		
Jane Doe	35000.00		
Michael Brown	30000.00		

Question 3

```
124
125 -- 3. Retrieve the book titles and the corresponding customers who have issued those books
126 • SELECT b.Book_title, c.Customer_name
127 FROM Books b
128 JOIN IssueStatus i ON b.ISBN = i.ISBN_book
129 JOIN Customer c ON i.Issued_cust = c.Customer_Id;
130
```

d

Emp_name	Salary
Sarah Johnson	65000.00
John Smith	60000.00
Emily Davis	45000.00
Jane Doe	35000.00
Michael Brown	30000.00

Question 4

```
130
131 -- 4. Display the total count of books in each category
132 • SELECT Category, COUNT(*) AS Total_books
133 FROM Books
134 GROUP BY Category;
135
```

Category	Total_books
Mystery	1
History	1
Science	1
Cooking	1
Technology	1
Literature	1

Question 5

```
134 GROUP BY Category;  
135  
136 -- 5. Retrieve the employee names and their positions for the employees whose salaries a  
137 • SELECT Emp_name, Position
```

```
141 -- 6. List the customer names who registered before 2022-01-01 and have not issued any b
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Emp_name	Position		
John Smith	Manager		
Sarah Johnson	Manager		

Question 6

```
140  
141 -- 6. List the customer names who registered before 2022-01-01 and have not issued any b  
142 • SELECT Customer_name  
143 FROM Customer  
144 WHERE Reg_date < '2022-01-01'  
145 AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);  
146  
147
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Customer_name			

QUESTION 7

```
145 AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
146
147 -- 7. Display the branch numbers and the total count of employees in each branch
148 • SELECT Branch_no, COUNT(*) AS Employee_count
149 FROM Employee
150 GROUP BY Branch_no;
151
```

Result Grid

Branch_no	Employee_count
1	2
2	2
3	1

Export: | Wrap Cell Content: | Result Grid

QUESTION 8

```
151
152 -- 8. Display the names of customers who have issued books in the month of June 2023
153 • SELECT DISTINCT c.Customer_name
154 FROM Customer c
155 JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
156 WHERE MONTH(i.Issue_date) = 6 AND YEAR(i.Issue_date) = 2023;
157
158
159
```

Limit to 1000 rows

Result Grid

Customer_name
Charlie Brown

Export: | Wrap Cell Content: | Result Grid

Question 9

The screenshot shows a SQL IDE window with a query editor and a result grid. The query editor contains the following SQL code:

```
157
158 Save the script to a file. book_title from the book table containing history
159 • SELECT Book_title
160 FROM Books
161 WHERE Book_title LIKE '%history%';
162
```

The result grid shows the following data:

Book_title
A History of the World in 100 Objects

Question 10

The screenshot shows a SQL IDE window with a query editor and a result grid. The query editor contains the following SQL code:

```
160 FROM Books
161 W Execute the selected portion of the script or everything, if there is no selection
162
163 -- 10. Retrieve the branch numbers along with the count of employees for branches having
164 • SELECT Branch_no, COUNT(*) AS Employee_count
165 FROM Employee
166 GROUP BY Branch_no
167 HAVING COUNT(*) > 5;
168
```

The result grid shows the following data:

Branch_no	Employee_count
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Question 11

The screenshot shows a SQL IDE window with a query editor and a result grid. The query editor contains the following SQL code:

```
168
169 -- 11. Retrieve the names of employees who manage branches and their respective branch ad
170 • SELECT e.Emp_name, b.Branch_address
171 FROM Employee e
172 JOIN Branch b ON e.Branch_no = b.Branch_no
173 WHERE e.Position = 'Manager';
174
```

The result grid shows the following data:

Emp_name	Branch_address
John Smith	123 Main St, Downtown
Sarah Johnson	456 Elm St, Uptown

Question 12

```
175 -- 12. Display the names of customers who have issued books with a rental price higher th  
176 • SELECT DISTINCT c.Customer_name  
177 FROM Customer c  
178 JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust  
179 JOIN Books b ON i.ISBN_book = b.ISBN  
180 WHERE b.Rental_Price > 25;  
181
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Customer_name
▶	Alice Williams
	Bob Martinez

Result
Grid

Form