MySQL Module End Project
Tables and Outputs

TABLES:-

Branch Table

116 • SELECT * FROM Branch;

Branch_no	Manager_Id	Branch_addres	Contact_no
1	101	Main Street	746-629-4707
2	102	Livonia Street	366-756-7345
3	103	Harbor Drive	260-693-4610
4	104	Sea Park Road	520-496-1797
5	105	Meadow Lane	865-366-9849
NULL	NULL	NULL	NULL

Employee Table

118 • SELECT * FROM Employee;

Emp_Id	Emp_name	Position	Salary	Branch_no
201	Frank Wilson	Manager	61000.00	1
202	Jannifer Lane	Assistant Manager	57000.00	1
203	Nicholas Petersen	Manager	30000.00	2
204	Eva Davis	Assistant Manager	25000.00	2
205	Rodriguez Lawis	Business Analyst	55000.00	2
206	Bessie Hooper	Finance Manager	43000.00	3
207	George Smith	Supervisor	26000.00	2
208	Scottie Philips	Project Manager	60000.00	4
209	Wiliam Raine	Accountant	32000.00	2
210	John Fergerson	Product Manager	40000.00	4
211	Monica Oconnor	Marketing Spacialist	52000.00	2
212	Ruth lathan	Sales Representive	28000.00	5
NULL	NULL	NULL	NULL	NULL

Customer Table

119 • SELECT * FROM Customer;

Customer_Id	Customer_name	Customer_address	Reg_date
1001	Charlie Wilson	480 Street	2020-08-17
1002	Grace Taylor	500 Valley	2021-04-29
1003	Keith Robnson	900 Road	2022-02-23
1004	Hannah Wright	100 Lane	2022-11-06
1005	Jane Miller	777 Avenue	2023-09-15
1006	Emma Kate	200 Lake	2021-07-13
1007	Anna Leigh	399 Ridge	2020-12-27
NULL	NULL	NULL	NULL

Books Table

`120 •` **SELECT * FROM** Books;

ISBN	Book_title	Category	Rental_Price	Status	Author	Publisher
197864532	Watchmen	Comics	600.00	No	Alan Moore	DC Comics
283645741	Redwall	Fantasy	450.00	Yes	Brian Jacques	Penguin Random House
374657398	Gone Girl	Thriller	550.00	No	Gillian Flynn	Crown Publishing Group
461586426	Me Before You	Romance	300.00	Yes	Jojo Moyes	Penguin Books
553872917	Jane Eyre	Classics	650.00	Yes	Charlotte Bronte	Smith, Elder & Co
642957398	Republic	History	500.00	Yes	Plato	Simon & Schuster
730482414	Rebecca	Mystery	400.00	Yes	Daphne du Maurier	Victor Gollancz
NULL	NULL	NULL	NULL	NULL	NULL	NULL

IssueStatus Table

`121 •` **SELECT * FROM** IssueStatus;

Issue_Id	Issued_cust	Issued_book_name	Issue_date	Isbn_book
401	1001	Watchmen	2021-05-13	197864532
402	1002	Republic	2022-09-25	642957398
403	1003	Jane Eyre	2020-01-19	553872917
404	1004	Gone Girl	2020-03-22	374657398
405	1005	Redwall	2023-06-17	283645741
NULL	NULL	NULL	NULL	NULL

ReturnStatus Table

`122 •` **SELECT * FROM** ReturnStatus;

Return_Id	Return_cust	Return_book_name	Return_date	Isbn_book2
701	1002	Republic	2022-10-19	642957398
702	1003	Jane Eyre	2020-01-08	553872917
703	1005	Redwall	2023-07-24	283645741
NULL	NULL	NULL	NULL	NULL

OUT PUTS:-

```
124     # Q1. Retrieve the book title, category, and rental price of all available books.
125 •   SELECT Book_title, Category, Rental_Price
126     FROM Books
127     WHERE Status = 'Yes';
```

Book_title	Category	Rental_Price
▶ Redwall	Fantasy	450.00
Me Before You	Romance	300.00
Jane Eyre	Classics	650.00
Republic	History	500.00
Rebecca	Mystery	400.00

```
129     # Q2. List the employee names and their respective salaries in descending order of salary.
130 •   SELECT Emp_name, Salary
131     FROM Employee
132     ORDER BY Salary DESC;
```

Emp_name	Salary
▶ Frank Wilson	61000.00
Scottie Philips	60000.00
Jannifer Lane	57000.00
Rodriguez Lawis	55000.00
Monica Oconnor	52000.00
Bessie Hooper	43000.00
John Fergerson	40000.00
Wiliam Raine	32000.00
Nicholas Petersen	30000.00
Ruth lathan	28000.00
George Smith	26000.00
Eva Davis	25000.00

```
134     # Q3. Retrieve the book titles and the corresponding customers who have issued those books.
135 •   SELECT i.Issued_book_name AS Book_Title, c.Customer_name AS Customer_Name
136     FROM IssueStatus i
137     JOIN Customer c ON i.Issued_cust = c.Customer_Id;
```

Book_Title	Customer_Name
▶ Watchmen	Charlie Wilson
Republic	Grace Taylor
Jane Eyre	Keith Robnson
Gone Girl	Hannah Wright
Redwall	Jane Miller

```
139     # Q4. Display the total count of books in each category.
140 •   SELECT Category, COUNT(*) AS Total_Categories
141     FROM Books
142     GROUP BY Category;
```

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

Category	Total_Categories
Comics	1
Fantasy	1
Thriller	1
Romance	1
Classics	1
History	1
Mystery	1

```
144     # Q5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.
145 •   SELECT Emp_name, Position
146     FROM Employee
147     WHERE Salary > 50000;
```

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

Emp_name	Position
Frank Wilson	Manager
Jannifer Lane	Assistant Manager
Rodriguez Lawis	Business Analyst
Scottie Philips	Project Manager
Monica Oconnor	Marketing Spacialist

```
149     # Q6. List the customer names who registered before 2022-01-01 and have not issued any books yet.
150 •   SELECT Customer_name FROM Customer
151     WHERE Reg_date < '2022-01-01'
152       AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
```

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

Customer_name
Emma Kate
Anna Leigh

```
154     # Q7. Display the branch numbers and the total count of employees in each branch.
155  •  SELECT Branch_no, COUNT(*) AS Total_Employees
156     FROM Employee
157     GROUP BY Branch_no;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Branch_no	Total_Employees
1	2
2	6
3	1
4	2
5	1

```
159     # Q8. Display the names of customers who have issued books in the month of June 2023.
160  •  SELECT DISTINCT c.Customer_name
161     FROM Customer c
162     JOIN IssueStatus i ON c.Customer_Id = i.Issued_cust
163     WHERE MONTH(i.Issue_date) = 6 AND YEAR(i.Issue_date) = 2023;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Customer_name
Jane Miller

```
165     # Q9. Retrieve book_title from book table containing history.
166  •  SELECT Book_title
167     FROM Books
168     WHERE Category = 'History';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Book_title
Republic

```
170     # Q10. Retrieve the branch numbers along with the count of employees for branches having more than 5 employees
171  •  SELECT Branch_no, COUNT(*) AS Employee_Count
172     FROM Employee
173     GROUP BY Branch_no
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$

Branch_no	Employee_Count
2	6