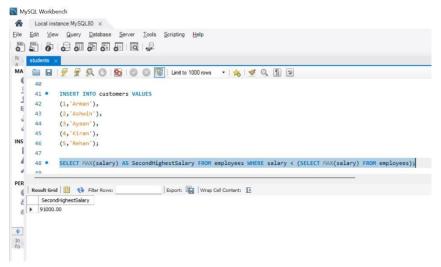
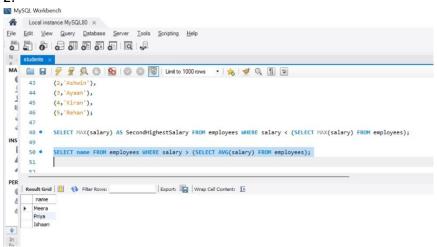
SQL Queries

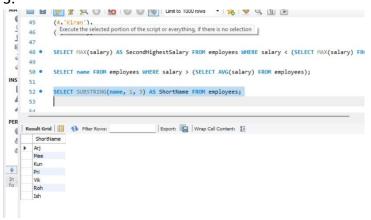
Part A: Basic to Intermediate Queries:

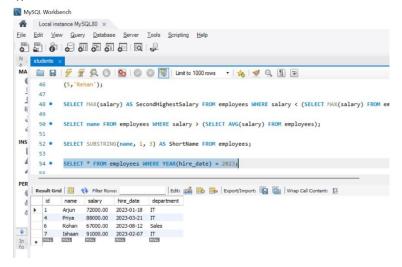
1.



2.







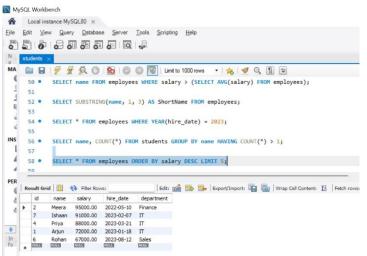
5.

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MySQL Workbench

Local instance MySQL80 ×

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MySQL Workbench

Local instance MySQL80 ×

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Students ×

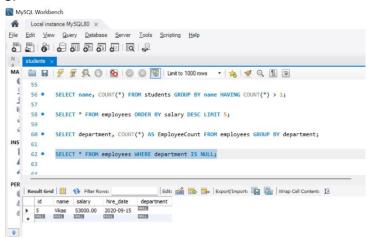
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Sales

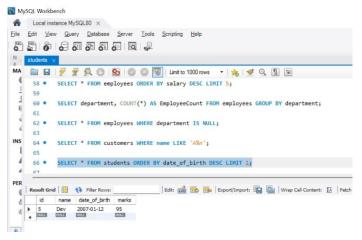
Limit to 1000 rows 

Limit to 1
```

8.

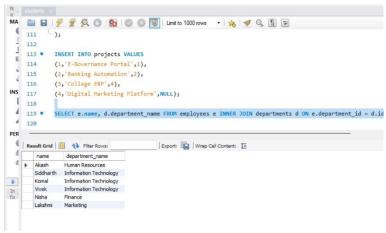


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★ Local instance MySQL80 ×
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    58 • SELECT * FROM employees ORDER BY salary DESC LIMIT 5;
     60 • SELECT department, COUNT(*) AS EmployeeCount FROM employees GROUP BY department;
     61
     62 • SELECT * FROM employees WHERE department IS NULL;
 INS 63
           SELECT * FROM customers WHERE name LIKE 'A%n';
     64 •
PER Result Grid
                          | Edit: 🕍 🏗 | Export/Import: 🚻 📞 | Wrap Cell Content: 🔣
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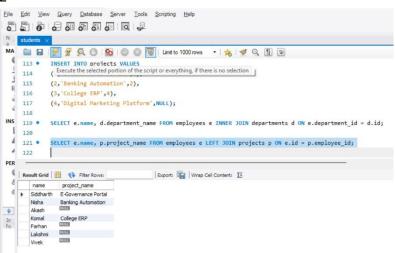


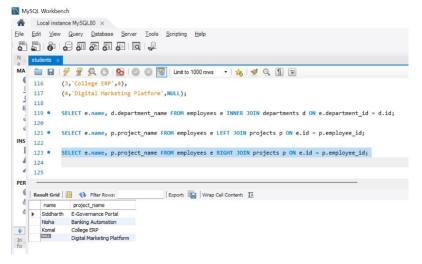
Part B: Joins & Subqueries:

1.



2





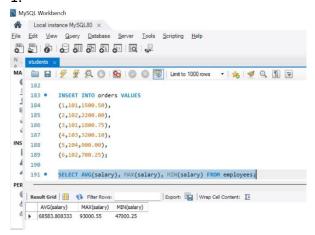
4.

```
MySQL Workbench
 ★ Local instance MySQL80 ×
Eile Edit View Query Database Server Tools Scripting Help
 116 (3, 'College ERP', 4),
117 ('Execute the selected portion of the script or everything, if there is no selection
     119 • SELECT e.name, d.department_name FROM employees e INNER JOIN departments d ON e.department_id = d.id;
     120
     121 • SELECT e.name, p.project_name FROM employees e LEFT JOIN projects p ON e.id = p.employee_id;
 INS 122
     123 • SELECT e.name, p.project_name FROM employees e RIGHT JOIN projects p ON e.id = p.employee_id;
     124
  # 125 * SELECT * FROM employees WHERE id NOT IN (SELECT employee_id FROM projects);
 PER -
  Result Grid
                                  Edit: 🕍 📆 Export/Import: 🌇 📸 | Wrap Cell Content: 🖪
 id name salary department_id
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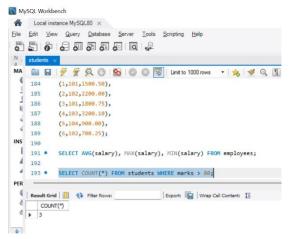
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MySQL Workbench
 ★ Local instance MySQL80 ×
File Edit View Query Database Server Tools Scripting Help
 119 • SELECT e.name, d.department_name FROM employees e INNER JOIN departments d ON e.department_id = d.id;
     121 • SELECT e.name, p.project_name FROM employees e LEFT JOIN projects p ON e.id = p.employee_id;
     122
     123 • SELECT e.name, p.project_name FROM employees e RIGHT JOIN projects p ON e.id = p.employee_id;
     124
 INS 125 • SELECT * FROM employees WHERE id NOT IN (SELECT employee_id FROM projects);
     126
     127 * SELECT d.department name, MAX(e.salary) AS HighestSalary FROM employees e JOIN departments d ON e.department id = d.id GROUP BY d.department name;
 PER -
  Result Grid
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  department_name HighestSalary
Human Resources 46000.00
Information Technology 91000.00
       Finance 95000.00
Marketing 69000.00
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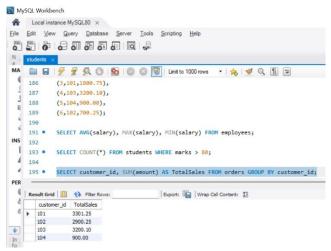
Part C: Functions & Grouping:

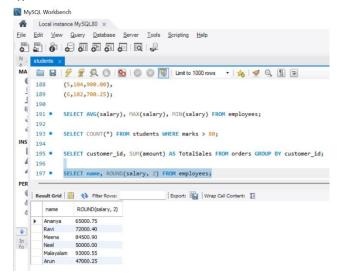
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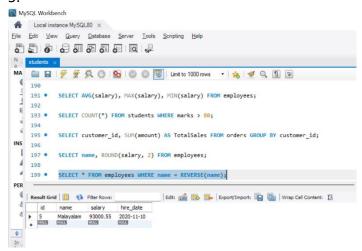


2.



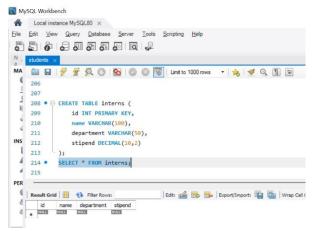






Part D: DDL, DML & Constraints:

1.



2.

