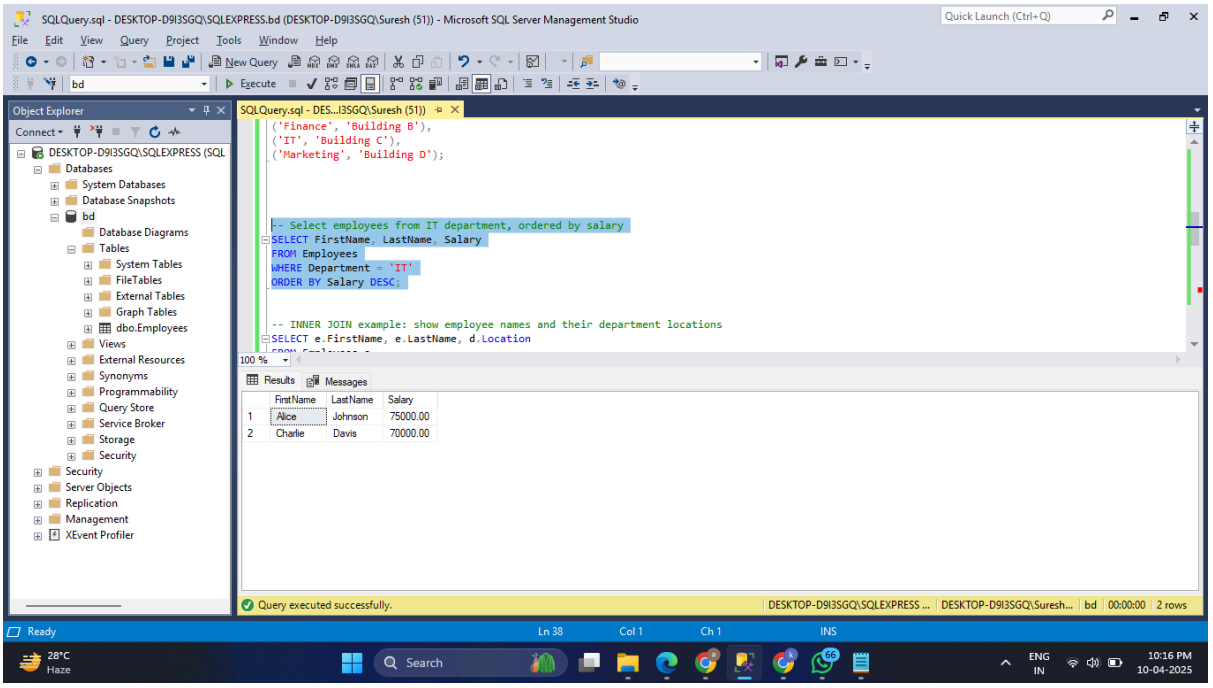
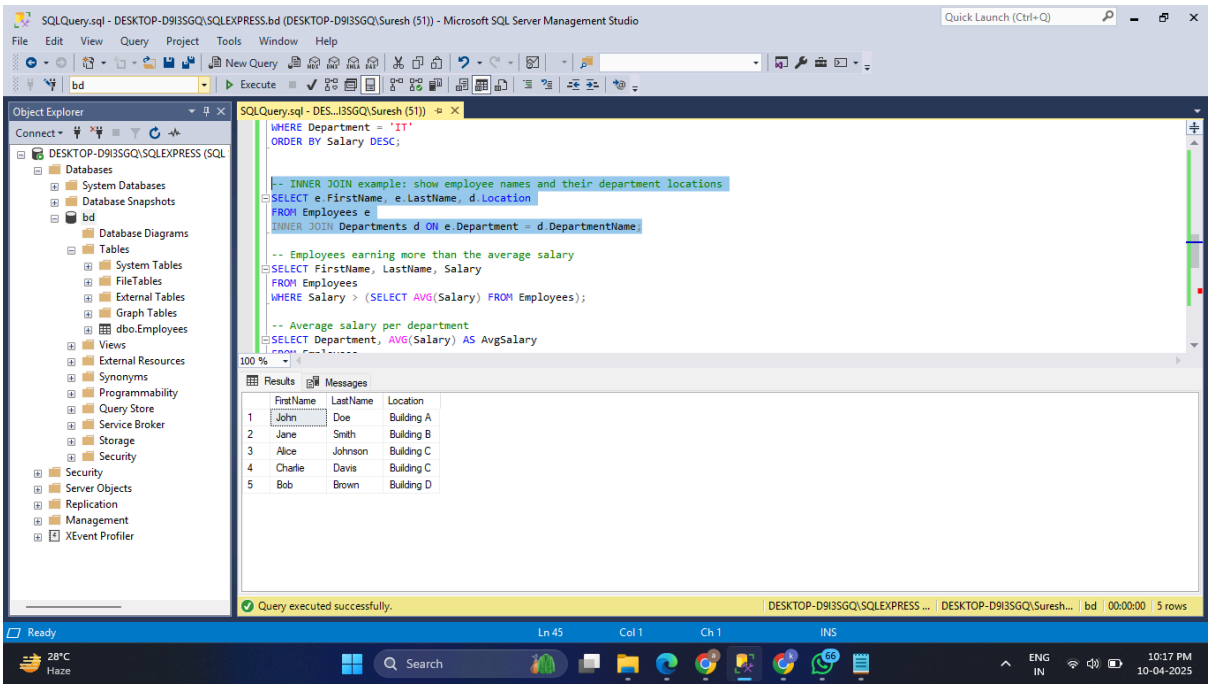
-- Select employees from IT department, ordered by salary
SELECT FirstName, LastName, Salary
FROM Employees
WHERE Department = 'IT'
ORDER BY Salary DESC;

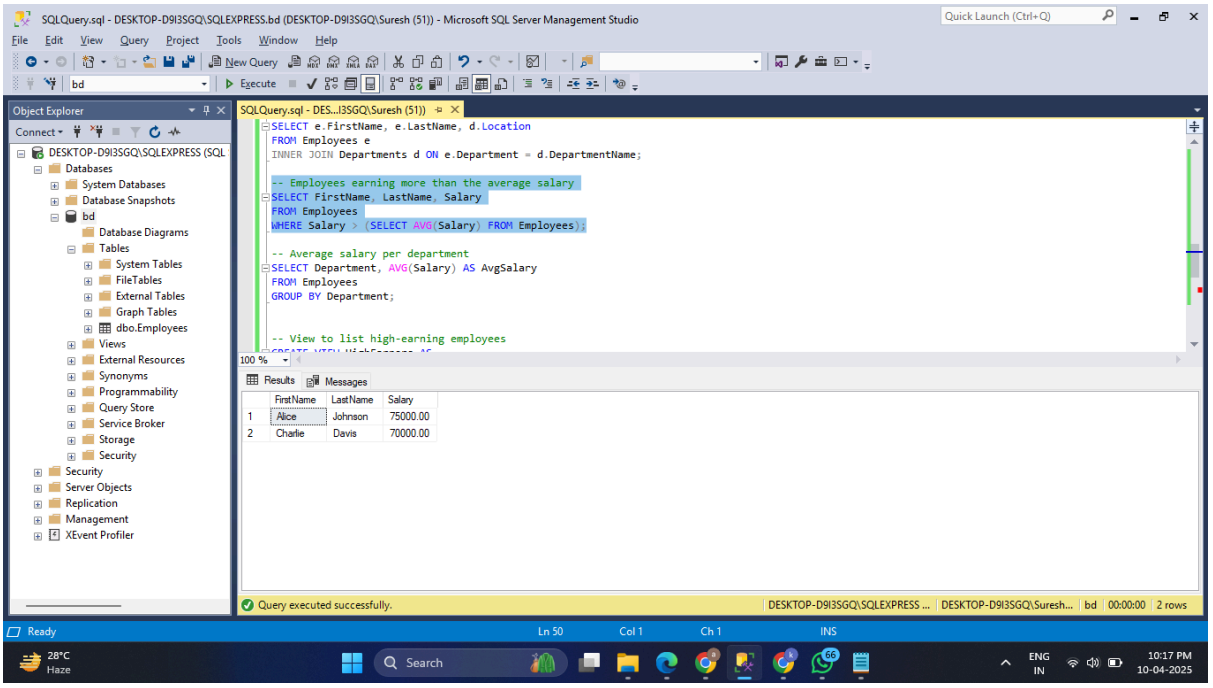


Q2
-- INNER JOIN example: show employee names and their department locations
SELECT e.FirstName, e.LastName, d.Location
FROM Employees e
INNER JOIN Departments d ON e.Department = d.DepartmentName;



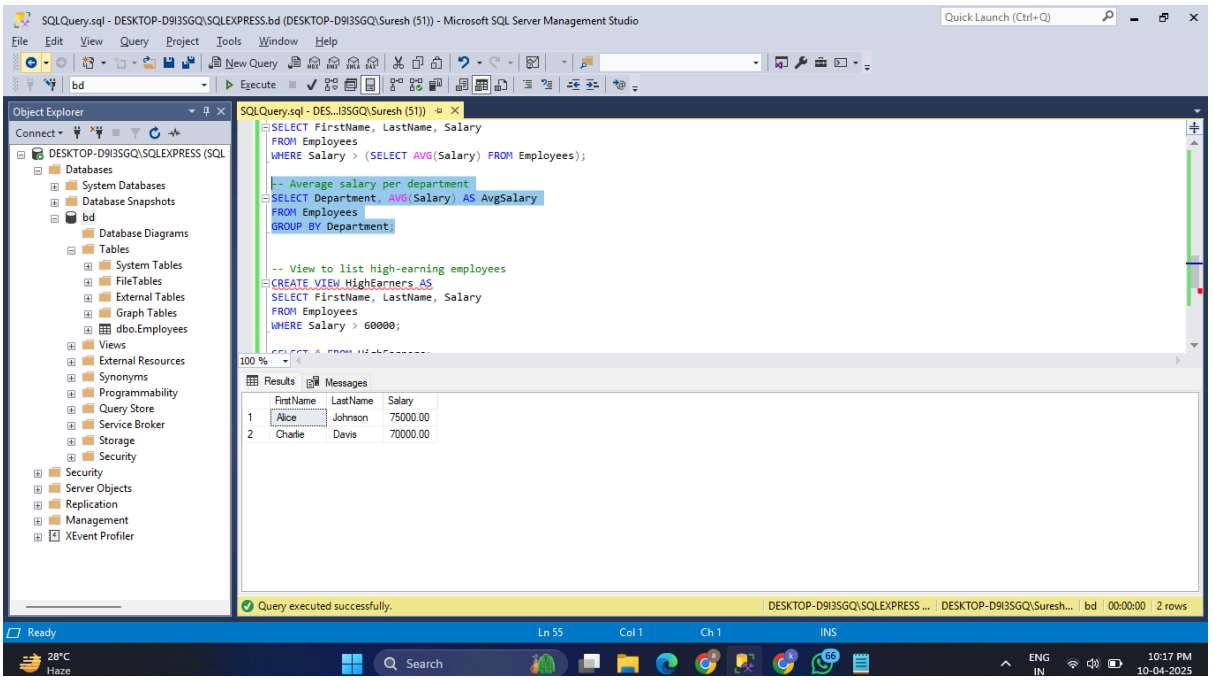
Q3.

```
-- Employees earning more than the average salary
SELECT FirstName, LastName, Salary
FROM Employees
WHERE Salary > (SELECT AVG(Salary) FROM Employees);
```



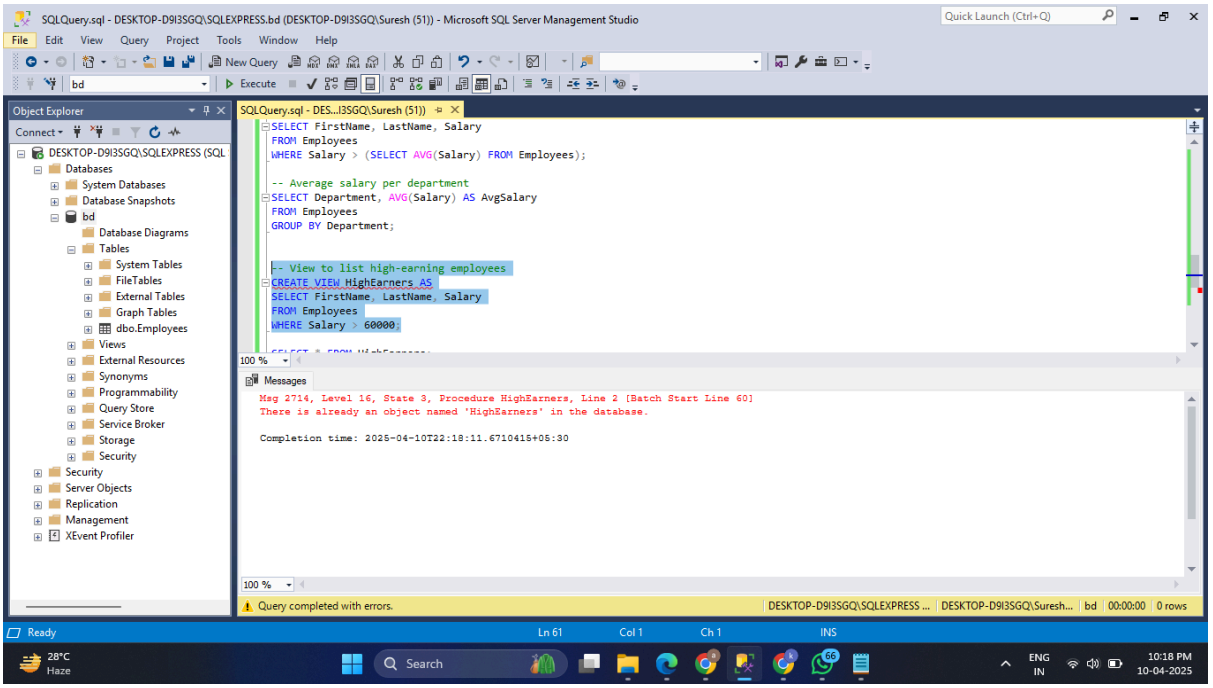
Q4.

```
-- Average salary per department
SELECT Department, AVG(Salary) AS AvgSalary
FROM Employees
GROUP BY Department;
```

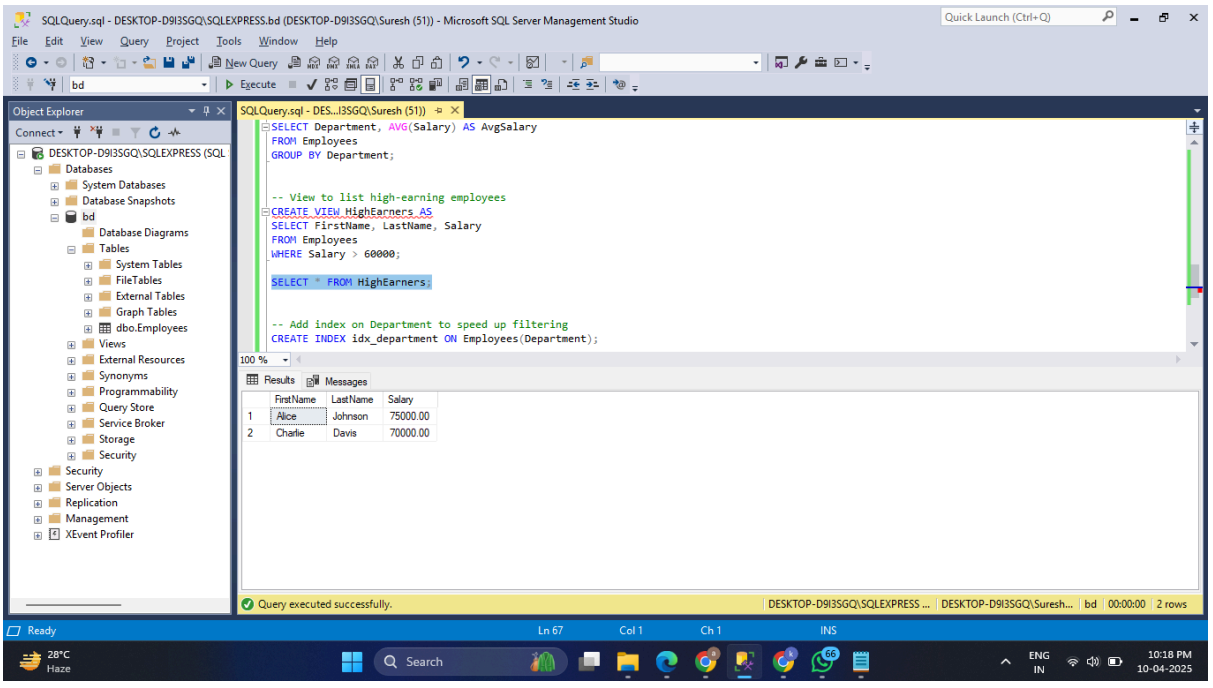


Q5.

```
-- View to list high-earning employees
CREATE VIEW HighEarners AS
SELECT FirstName, LastName, Salary
FROM Employees
WHERE Salary > 60000;
```



SELECT * FROM HighEarners;



Q6.

-- Add index on Department to speed up filtering
CREATE INDEX idx_department ON Employees(Department);