-- 1. Display all fields from the DEPARTMENT table using wildcard characters.

SELECT \* FROM dbo.DEPARTMENT;

-- 2. Display all fields from the ASSIGNMENT table using wildcard characters.

SELECT \* FROM dbo.ASSIGNMENT;

-- 3. Display all fields from the EMPLOYEE table using wildcard characters.

SELECT \* FROM dbo.EMPLOYEE;

-- 4. Display all fields from the PROJECT table using wildcard characters.

SELECT \* FROM dbo.PROJECT;

-- 5. Display all fields from the DEPARTMENT table using field names.

SELECT DepartmentName, BudgetCode, OfficeNumber, Phone FROM dbo.DEPARTMENT;

-- 6. Retrieve specific project details.

SELECT ProjectID, ProjectName, Department, MaxHours, StartDate, EndDate

FROM dbo.PROJECT

WHERE ProjectID IN (1100, 1400);

-- 7. Projects with MaxHours > 135.

SELECT ProjectID, ProjectName, Department, MaxHours, StartDate, EndDate

FROM dbo.PROJECT

WHERE MaxHours > 135;

-- 8. Projects in Finance with MaxHours > 135.

SELECT ProjectID, ProjectName, Department, MaxHours, StartDate, EndDate

FROM dbo.PROJECT

WHERE Department = 'Finance' AND MaxHours > 135;

-- 9. Employee with Phone Number 360-285-8310.

SELECT FirstName, LastName, Phone, Department

FROM dbo.EMPLOYEE

WHERE Phone = '360-285-8310';

-- 10. Employees in Accounting, Finance, and Marketing.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Department IN ('Accounting', 'Finance', 'Marketing');

-- 11. Employees NOT in Accounting, Finance, and Marketing.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Department NOT IN ('Accounting', 'Finance', 'Marketing');

-- 12. Employees with Employee ID between 2 and 5.

SELECT \*

FROM dbo.EMPLOYEE

WHERE EmployeeID BETWEEN 2 AND 5;

-- 13. Employees with Employee ID NOT between 2 and 5.

SELECT \*

FROM dbo.EMPLOYEE

WHERE EmployeeID NOT BETWEEN 2 AND 5;

-- 14. Employees whose phone numbers start with '360-287-'.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone LIKE '360-287-%';

-- 15. Employees whose phone numbers are NULL.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone IS NULL;

-- 16. Employees whose phone numbers are NOT NULL.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone IS NOT NULL;

-- 17. Employees sorted by Department and Lastname (descending).

SELECT \*

FROM dbo.EMPLOYEE

ORDER BY Department DESC, LastName DESC;

-- 1. Display all fields from the DEPARTMENT table using wildcard characters.

SELECT \* FROM dbo.DEPARTMENT;

-- 2. Display all fields from the ASSIGNMENT table using wildcard characters.

SELECT \* FROM dbo.ASSIGNMENT;

-- 3. Display all fields from the EMPLOYEE table using wildcard characters.

SELECT \* FROM dbo.EMPLOYEE;

-- 4. Display all fields from the PROJECT table using wildcard characters.

SELECT \* FROM dbo.PROJECT;

-- 5. Display all fields from the DEPARTMENT table using field names.

SELECT DepartmentID, DepartmentName, Location, ManagerID FROM dbo.DEPARTMENT;

-- 6. Retrieve specific columns from the PROJECT table for ProjectIDs 1100 and 1400.

SELECT ProjectID, ProjectName, Department, MaxHours, StartDate, EndDate

FROM dbo.PROJECT

WHERE ProjectID IN (1100, 1400);

-- 7. Find projects with MaxHours greater than 135.

SELECT ProjectID, ProjectName, Department, MaxHours, StartDate, EndDate

FROM dbo.PROJECT

WHERE MaxHours > 135;

-- 8. Retrieve projects for the Finance department with MaxHours greater than 135.

SELECT ProjectID, ProjectName, Department, MaxHours, StartDate, EndDate

FROM dbo.PROJECT

WHERE Department = 'Finance' AND MaxHours > 135;

-- 9. List the employee with phone number 360-285-8310.

SELECT FirstName, LastName, Phone, Department

FROM dbo.EMPLOYEE

WHERE Phone = '360-285-8310';

-- 10. List employees in Accounting, Finance, and Marketing using the IN keyword.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Department IN ('Accounting', 'Finance', 'Marketing');

-- 11. List employees NOT in Accounting, Finance, and Marketing using IN and NOT keywords.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Department NOT IN ('Accounting', 'Finance', 'Marketing');

-- 12. Show employees with Employee ID between 2 and 5 using the BETWEEN keyword.

SELECT \*

FROM dbo.EMPLOYEE

WHERE EmployeeID BETWEEN 2 AND 5;

-- 13. Show employees NOT between Employee ID 2 and 5 using NOT and BETWEEN keywords.

SELECT \*

FROM dbo.EMPLOYEE

WHERE EmployeeID NOT BETWEEN 2 AND 5;

-- 14. Show employees with Employee ID between 2 and 5 without using the BETWEEN keyword.

SELECT \*

FROM dbo.EMPLOYEE

WHERE EmployeeID >= 2 AND EmployeeID <= 5;

-- 15. Show employees whose phone numbers start with '360-287-' using the '\_' wildcard.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone LIKE '360-287-%';

-- 16. Show employees whose phone numbers start with '360-287-' using the '%' wildcard.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone LIKE '360-287-%';

-- 17. Show employees with NULL phone numbers.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone IS NULL;

-- 18. Show employees with NOT NULL phone numbers.

SELECT \*

FROM dbo.EMPLOYEE

WHERE Phone IS NOT NULL;

-- 19. Show employees sorted by Department and Lastname in descending order.

SELECT \*

FROM dbo.EMPLOYEE

ORDER BY Department DESC, Lastname DESC;