

Employee			
ColumnName	DataType	AN NN	Remarks
EmployeeID	Int	NN	Primary Key
FirstName	Varchar(100)	NN	
LastName	Varchar(100)	NN	
DoB	Datetime	NN	
Gender	Varchar(50)	NN	
HireDate	Datetime	NN	
DepartmentID	Int	NN	Foreign Key
Salary	Decimal(10,2)	NN	

Departments			
ColumnName	DataType	AN NN	Remarks
DepartmentID	Int	NN	Primary Key
DepartmentName	Varchar(100)	NN	
ManagerID	Int	NN	Foreign Key
Location	Varchar(100)	NN	

Projects			
ColumnName	DataType	AN NN	Remarks
ProjectID	Int	NN	Primary Key
ProjectName	Varchar(100)	NN	
StartDate	Datetime	NN	
EndDate	Datetime	NN	
DepartmentID	Int	NN	Foreign Key

(Do enter proper (5-10) records in above tables)

- Retrieve all employees with gender column as Male to M & Female to F and Other in all other cases.
- Retrieve employees with column Salary_Status in that if salary is less than 40000 than show status 'Low', if salary between 40000 to 80000 than show status 'Medium' and display 'High' in all other cases.
- Give First Name & Last Name with DepartmentID as Department Column.
e.g if departmentid is 1 than 'HR', 2 than 'Finance', 3 than 'IT' etc.
- Retrieve employees with full name column as combination of both First Name & Last Name.
- Calculate performance bonus. Add performance bonus column in your selection list as if salary greater than 50000 than 1% of salary except all other cases 5% of salary.
- Give additional 5% bonus to all male employees.
- Give employees with one more column Sal_Bonus (if gender is female then salary * 0.1)
- Extract Birthday Month from DOB and show it with employees list.
- Bonus Eligibility Based on Department with following cases, retrieve all employees with bonus column as given criteria.
 - DepartmentID is 1 than Eligible for Sales Bonus
 - DepartmentID is 2 than Eligible for HR Bonus
 - DepartmentID is 3 than Eligible for IT Bonus

10. Flexible Work Arrangement on Department with following cases, retrieve all employees with bonus column as given criteria.
 - a. DepartmentName is IT than Eligible for Flexible Work
 - b. DepartmentName is Sales than Standard Work Arrangement
 - c. DepartmentName is HR than Standard Work Arrangement
 - d. All other Regular Work Arrangement
11. Produce output like: <firstname> receives <salary> per month which is in <departmentname>.
12. Employee Status Based on Age: Compare the DOB with current date and Add column as Young, aged, other. (if difference less than 25 then young, less than 40 then aged)
13. International Travel Eligibility: if salary is greater than 50000 then mark status as Eligible for International Travel and remaining all cases Domestic Only.
14. Preferred Communication Channel: if department name is IT then Email and all other cases Phone.
15. Give one more column with if gender is male then add Mr. with first name, female then Ms. With first name & Mx. In all other cases.

Views

16. Create view that will display department wise average, minimum & maximum salaries.
17. Create view that will display all employees along with their department names.
18. Create view that will display all projects and their start dates along with department names.
19. Create view that will display employees who have no department.
20. Create view that will display projects along with the department manager's name.
21. Create view that will display all departments with more than 100 employees.
22. Create view that will display all projects managed by employees older than 30 years.
23. Create view that will display all projects that have both started and ended within the same year.
24. Create view that will display departments with more than 3 employees and list their project names.
25. Create view that will display the total number of employees working in departments where the manager has more than 10 years of experience.

Stored Procedures

26. Create **Stored Procedures** for mentioned 3 tables
(Total 15 Procedures you have to create as 3 table x 5 = 15)
 - a. To Retrieve all columns with all data (do apply necessary joins if applicable)
 - b. To Insert Record in a table
 - c. To Delete Record from table
 - d. To Update Record based on Primary Key
 - e. To View Single Record based on Primary Key.