**1. Using select statements**

**1. Write a query to list all the tables in HR schema**

**2. Display employeeID, first name, last name, email, phone number from employees table.**

**3. Display all columns of JOB\_HISTORY table.**

**4. Display the first name, last name concatenated and appearing under the column “EMPLOYEE NAME”.**

**5. Write a query to display a sentence like Employee name working as JOB\_ID for every employee record.**

**6. Write a query to display the names of all the employees with their annual salary.**

**2. Scoping and ordering of rows**

**1. Write a query to select rows from the employees table with the department number of 30.**

**2. Write a query to select the name, job, and salary and department number of all employees except purchase clerks from department number 30.**

**3. Display the employee name and department number of all employees in dept 10 and 30 in alphabetical order by name.**

**4. Display the employee name, job\_id and email of those employees who were hired between 1 Jan 1993 and 1 Dec 1995.Order the results in the ascending order of hiredate.**

**5. Write a query to search for employees with the pattern 'A\_B' in their name.**

**3. SQL Functions**

**1. Write a query to display second string of  job\_title in the Jobs table only if the job\_title has more than one string.**

**2. Replace occurrences of Manager in the job\_title of jobs table with analyst.**

**3. Write a query to display the previous job history of the employees with years of experience in each job category.**

**4. Write a query to display the details of employees with ‘ON BENCH’ value for department ID if no employees have been assigned to that department.**

**5. Write a query to display revised salary for selected employees**

**a. If he is a manager give 50%hike**

**b. If he is a representative give 20%hike**

**c. if he is a programmer give 30%hike.**

**(Use case expression)**

**6. Write a query to display country wise details with the region name.**

**(Use the data in the region table and use decode function)**

**4. Joins**

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1. **Write a query to display names of employees and department names of those employees who are working in Europe.**
2. **Write a query to display department wise details including the Manager’s name and if a particular department does not have any manager, display the message ‘no manager assigned yet’.**
3. **Display information on all the department managers.**

**Manager ID, Manager Name, His current department name and previous department name.**

1. **Display old job title and current job title for each employee in the organization.**

**5. Group Functions & Group by, Having Clause**

**1. Find the number of employees working in each country with country name and no of employees.**

**2. Find the number of employees   reporting to each department head.**

**3. To return the number of employees and their average yearly salary across all possible combinations of department and job category.**

**Display department name, job\_title, total no of employees, average salary.**