

Bahria University, Islamabad

Department of Software Engineering

Database Management

Systems Lab (Spring-2025)

Teacher: Engr. Raheela

Student : Talha Naveed

Enrollment: 01-131232-089

Assignment: 02 Date: 16th Feb 2025

Task No:	Task Wis	se Marks	Documo Ma	Total Marks	
	Assigned	Obtained	Assigned	Obtained	(20)
1	3				
2	3				
3	3		5		
4	3				
5	3				

Comments:		
		Signature



LAB No: 02-> Basic Categories of SQL Statements

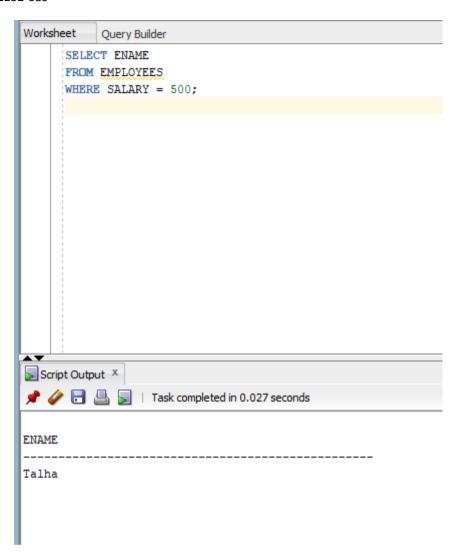
Tools Used:

- SQL Developer Tools
- GitHub
- Link to Repository: https://github.com/TALHA-089/DBMS-LAB-02.git

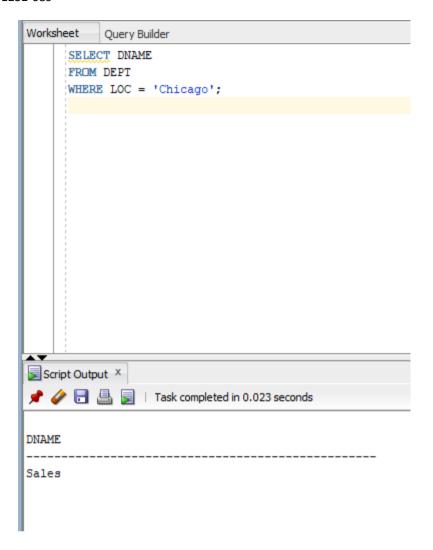
		DATA_TYPE	NULLABLE	DATA_DEFAULT		
1	EMPNO	NUMBER (5,0)	No	(null)	1	Employee number (unique identifier)
2	ENAME	VARCHAR2 (50 BYTE)	No	(null)	2	Employee name
3	JOB	VARCHAR2 (30 BYTE)	Yes	(null)	3	Employee job title
4	MGR	NUMBER (5,0)	Yes	(null)	4	Manager employee number (self-reference)
5	HIREDATE	DATE	Yes	(null)	5	Hire date of the employee
6	SALARY	NUMBER(10,2)	No	(null)	6	Salary of the employee
7	COMM	NUMBER(10,2)	Yes	(null)	7	Commission amount (optional)
8	DEPTNO	NUMBER (5,0)	Yes	(null)	8	Department number (links to DEPT)

TASKS:

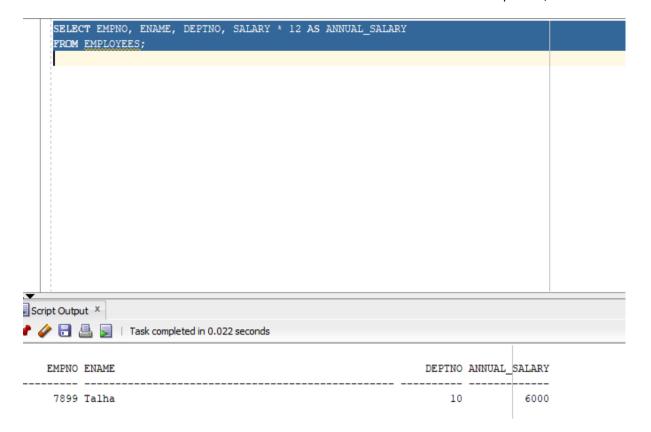
1. Display employees' names whose salary is 500 from EMP table **Hint:**Use Where clause



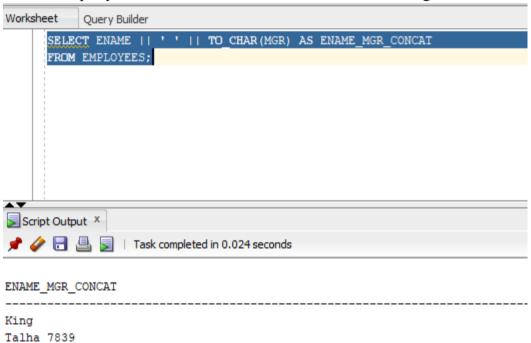
2. Select dname from DEPT table where location is (chose any location of your choice from the table)



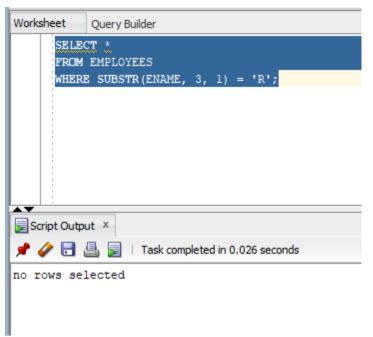
3. Increment the salary of each employee 10 times and then display the annual salary along with emp#, employee names and dept# from EMP table **Hint:**Use multiplication operator



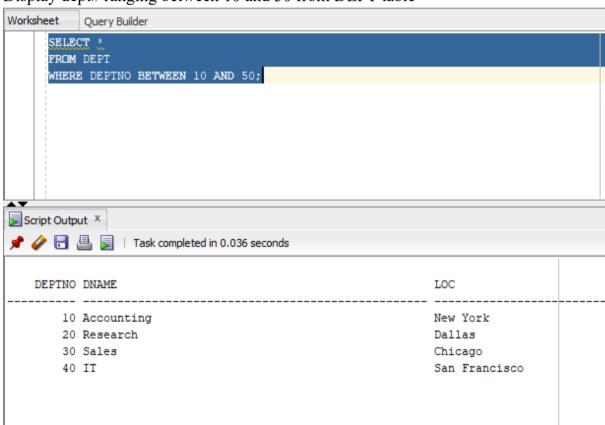
4. Execute a query to concatenate the columns of ename and mgr from EMP table



5. Select those data rows where 3rd character of ename is "R" from EMP table



6. Display dept# ranging between 10 and 50 from DEPT table



7. Perform sorting in EMP table to display latest hired employee at first Hint:Use **ORDER BY** clause



8. Sort emp# in descending order and salary in ascending order WHERE the deptno is 10

