

DEPARTMENT OF COMPUTER SYSTEMS ENGINEERING MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, JAMSHORO

Database Management Systems (4th Semester) 18CS Lab Experiment 4

Roll No:	Date of Conduct: Grade Obtained:		
Submission Date:			
Problem Recognition (0.3)	Completeness & accuracy (0.4)	Timeliness (0.3)	Score (1.0)
Objective: To retrieve data for	rom database using SQL S	SELECT Statement.	
Tools: MySql / Oracle.			

The SQL SELECT Statement

- The SELECT statement is used to select data from a database.
- The data returned is stored in a result table, called the result-set.

SELECT Syntax

SELECT column1, column2 FROM table_name;

Here, column1, column2 are the field names of the table you want to select data from. If you want to select all the fields available in the table, use the following syntax:

SELECT * FROM table_name;

SELECT Column Example

The following SQL statement selects the "CustomerName" and "City" columns from the "Customers" table:

Example

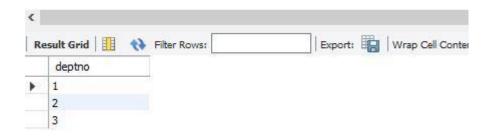
SELECT CustomerName, City FROM Customers;

Lab Task

1. Create a query to display unique departments from EMP table.

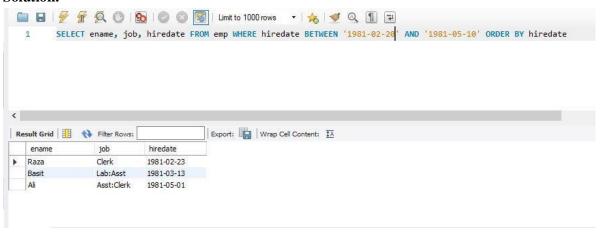
Solution:

1 • SELECT DISTINCT deptno FROM emp



2. Display the employee name, job, and joining date of employees hired between February 20, 1981 and May 1, 1981. Order the query in ascending order by joining date.

Solution:



3. Display the names of all employees who have two 'L' in their name and are in department 30 or their manager is 7782.



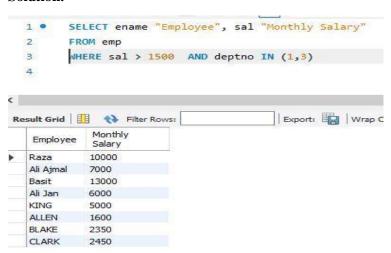
4. Display the name, salary, and commission for all employees whose commission amount is greater than their salary increased by 10%.

Solution:

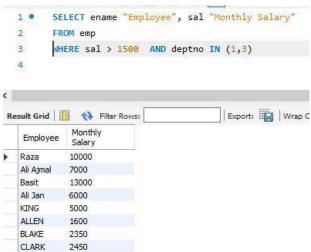


5. Display the name and salary of employees who earn more than 1500 and are in department 10 or 30. Label the columns Employee and Monthly Salary, respectively.

Solution:

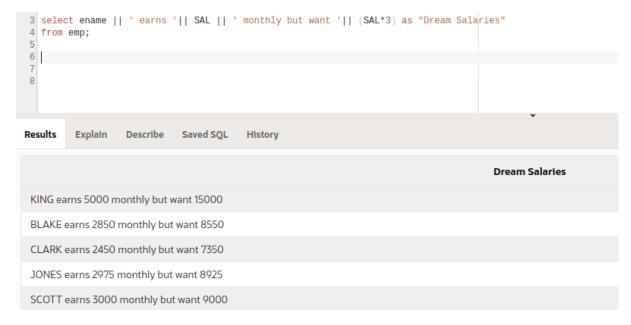


6. List out the employees whose name start with S and ends with H.

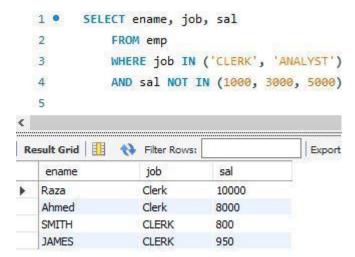


7. Write a query that produces following for each employee: earns monthly but wants. Label the column Dream Salaries.

Solution:

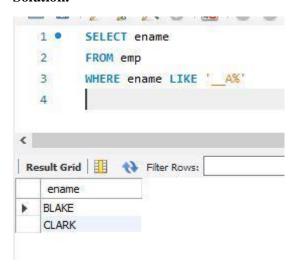


8. Display the name job and salary for all employees whose job is clerk or analyst and their salary is not equal to 1000, 3000, or 5000.



9. Display the names of all employees where the third letter of their name is an A.

Solution:



10. Display name, salary and commission for all employees who earn commission. Sort the result in descending order of salary and commission.

