MEGHNAD SAHA INSTITUTE OF TECHNOLOGY

*Techno Complex, Madurdaha,Beside NRI Complex, Post-Uchhepota, Kolkata 700 150*

LABORATORY NOTE BOOK

MAKAUT ODD SEMESTER 2024



[MASTER OF COMPUTER APPLICATION]

[RELATIONAL DATABASE MANAGEMENT SYSTEM LAB (MCAN192)]

[RUPAK SARKAR]

ROLL NO: 14271024036 REGN. NO.: 241420510045

STREAM: MCA SEMESTER: I (1ST)

YEAR: 1ST YearSESSION: 2024-2026



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY



MEGHNAD SAHA INSTITUTE OF TECHNOLOGY

*Techno Complex,. Madurdaha,Beside NRI Complex, Post-Uchhepota, Kolkata 700 150*

“LIST OF ASSIGNMENT/EXPERIMENT SUBMISSION DETAILS”

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| **SL.**  **NO.** | **ASSIGNMENT / EXPERIMENT NAME** | **DATE OF EXPERIMENT** | **DATE OF SUBMISION** | **CHECKED BY** | **REMARKS (ANY DEVIATION REGARDING SUBMISSION DATES, CONTENT, FORMAT, ETC)** |
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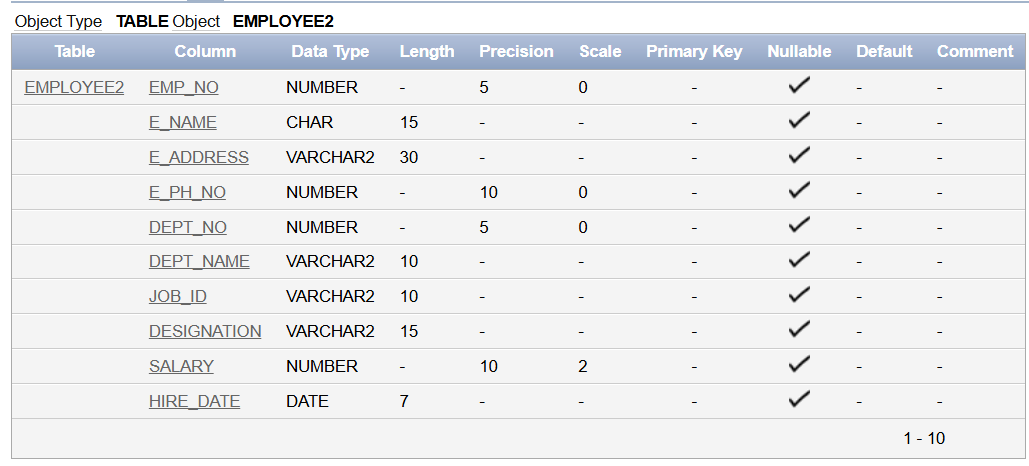
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| OBSERVATIONS / COMMENTS ON THE OVERALL PERFORMANCE: |

Signature in full with date Signature in full with date

**Faculty / Technical Assistant Lab Examiner**

**Q. Create a table called EMP with the following structure:  
(EMP\_NO, E\_ADDRESS, E\_PH\_NO, DEPT\_NO, DEPT\_NAME, JOB\_ID, DESIGNATION, SALARY)**

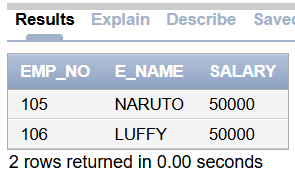
Ans: To create the abovementioned table, we write the following command –

**SQL Query –** CREATE TABLE EMPLOYEE2(EMP\_NO NUMBER(5), E\_NAME CHAR(15), E\_ADDRESS VARCHAR2(30), E\_PH\_NO NUMBER(10), DEPT\_NO NUMBER(5), DEPT\_NAME VARCHAR2(10), JOB\_ID VARCHAR2(10), DESIGNATION VARCHAR2(15), SALARY NUMBER(10,2), HIRE\_DATE DATE); 

**Q.1. List the E\_no, E\_name, Salary of all employees working for MANAGER.**

Ans: To list the E\_no and E\_name, we need to write the following query.

**SQL Query –** SELECT EMP\_NO, E\_NAME, SALARY FROM EMPLOYEE2 WHERE (DESIGNATION='MANAGER');

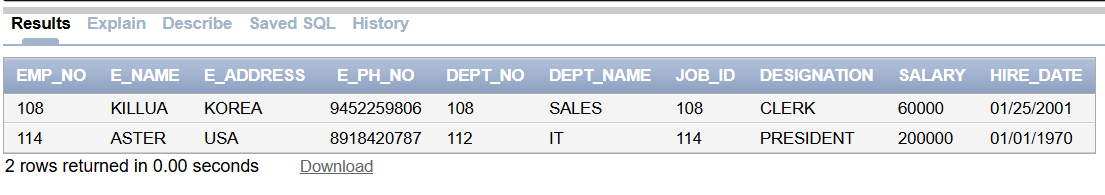


**Q.2. Display all the details of the employee whose salary is more than the Sal of any IT**

**PROFF.**

Ans: To display all the details of the employee whose salary is more than the Sal of any IT Proff, we need to write the following query.

**SQL Query –** SELECT \* FROM EMPLOYEE2 WHERE SALARY>(SELECT MAX(SALARY) FROM EMPLOYEE2 WHERE DESIGNATION='ITPROFF');

****

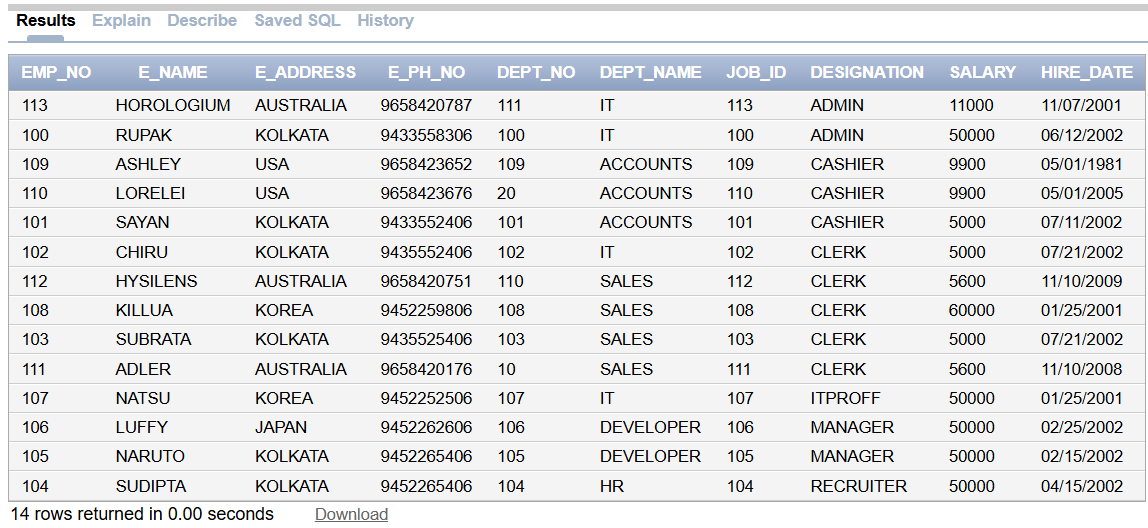
**Q.3. List the employees in the ascending order of Designations of those joined after**

**1981.**

Ans: To list the employees in the ascending order of Designations of those joined after

1981, we need to write the following query.

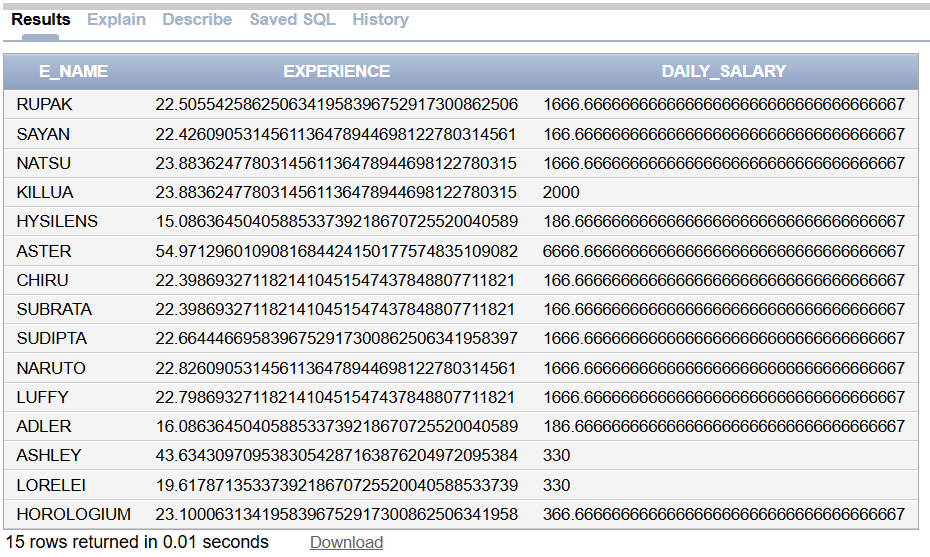
**SQL Query –** SELECT \* FROM EMPLOYEE2 WHERE HIRE\_DATE>'01/01/1981' ORDER BY DESIGNATION;

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**Q.4. List the employees along with their Experience and Daily Salary.**

Ans: To list the employees along with their Experience and Daily Salary, we need to write the following query:

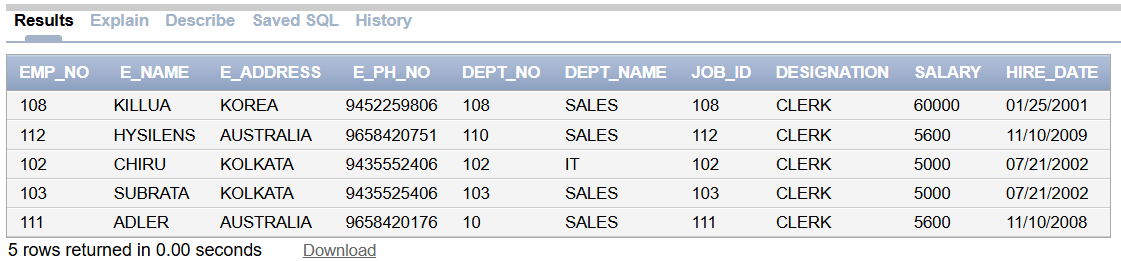
**SQL Query –** SELECT E\_NAME, (SYSDATE-HIRE\_DATE)/365 AS EXPERIENCE, (SALARY/30) AS DAILY\_SALARY FROM EMPLOYEE2;

****

**Q.5. List the employees who are either ‘CLERK’ or ‘ANALYST’.**

Ans: To list the employees who are either ‘CLERK’ or ‘ANALYST’, we need to write the following query:

**SQL Query –** SELECT \* FROM EMPLOYEE2 WHERE DESIGNATION=('CLERK') OR DESIGNATION=('ANALYST');

****

**Q.6. List the employees who joined on 1-MAY-81, 3-DEC-81, 17-DEC-81,19-JAN-80.**

Ans: To list the employees who joined on 1-MAY-81, 3-DEC-81, 17-DEC-81,19-JAN-80, we need to write the following query:

**SQL Query –** SELECT \* FROM EMPLOYEE2

WHERE HIRE\_DATE IN (

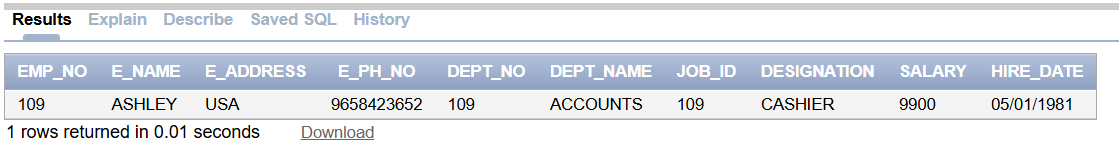
TO\_DATE('01-05-1981', 'DD-MM-YYYY'),

TO\_DATE('03-12-1981', 'DD-MM-YYYY'),

TO\_DATE('17-12-1981', 'DD-MM-YYYY'),

TO\_DATE('19-01-1980', 'DD-MM-YYYY')

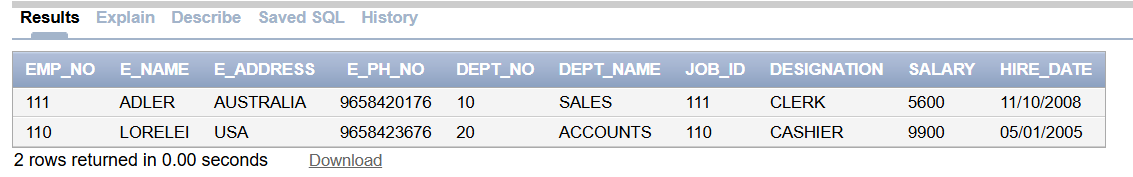
);



**Q.7. List the employees who are working for the Dept\_no 10 or 20.**

Ans: To list the employees who are working for the Dept\_no 10 or 20, we need to write the following query:

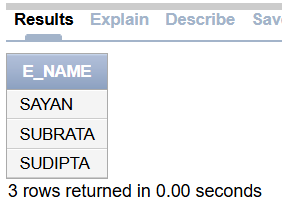
**SQL Query –** SELECT \* FROM EMPLOYEE2 WHERE DEPT\_NO IN (10, 20);



**Q.8. List the E\_names those are starting with ‘S’.**

Ans: To list the E\_names those are starting with ‘S’, we need to write the following query:

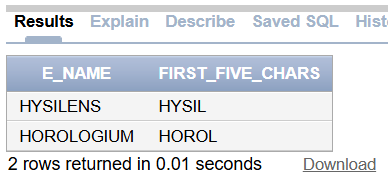
**SQL Query –** SELECT E\_NAME FROM EMPLOYEE2 WHERE E\_NAME LIKE 'S%';



**Q.9. Display the name as well as the first five characters of name(s) starting with ‘H’.**

Ans: To display the name as well as the first five characters of name(s) starting with ‘H’, we need to write the following query:

**SQL Query –** SELECT E\_NAME, SUBSTR(E\_NAME, 1, 5) AS FIRST\_FIVE\_CHARS FROM EMPLOYEE2 WHERE E\_NAME LIKE 'H%';



**Q.10. List all the emps except ‘PRESIDENT’ &amp; ‘MGR” in asc order of Salaries.**

Ans: To list all the emps except ‘PRESIDENT’ &amp; ‘MGR” in asc order of Salaries, we need to write the following query:

**SQL Query –** SELECT \* FROM EMPLOYEE2 WHERE DESIGNATION NOT IN ('PRESIDENT', 'MGR') ORDER BY SALARY ASC;

