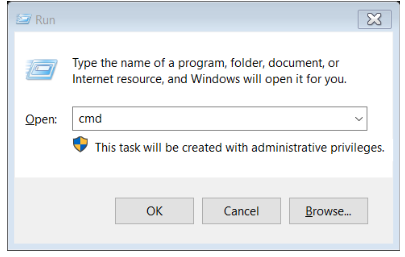
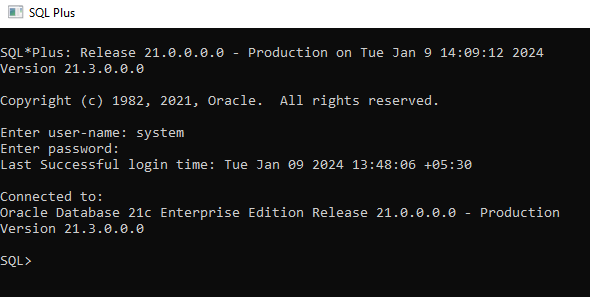
**S VARSHA Design of Databases using DDL Language 14-Sep-23**

1. Open the command prompt Press WIN+R , type cmd



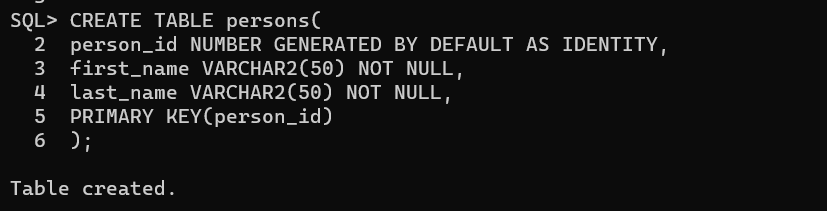
1. Once sqlplus prompt open then enter username and password it will connected



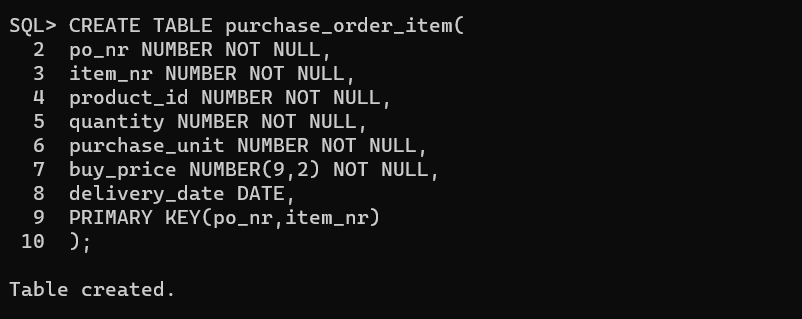
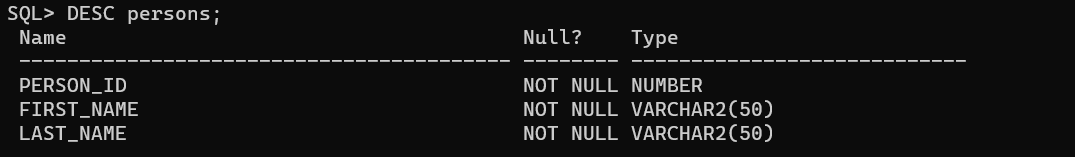
**EXPERIMENT-1**

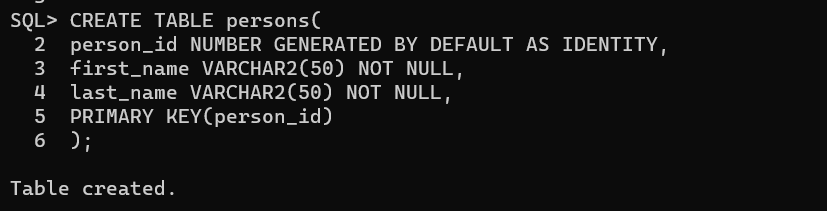
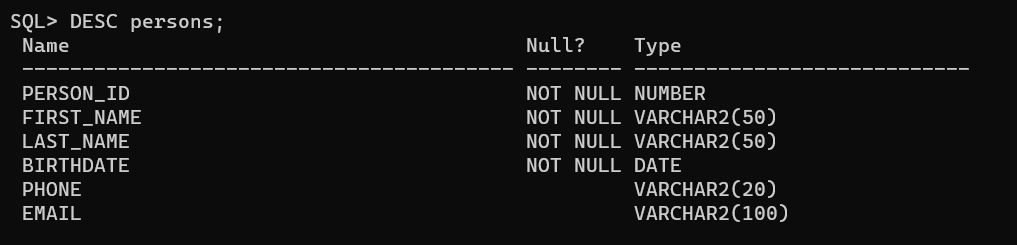
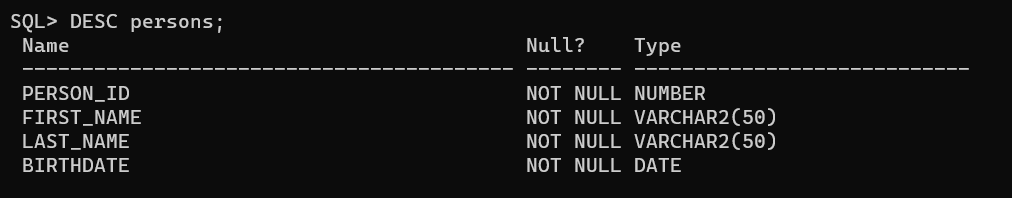
**1. Write SQL queries to CREATE TABLES for various databases using DDL commands (i.e.CREATE, ALTER, DROP, TRUNCATE).**

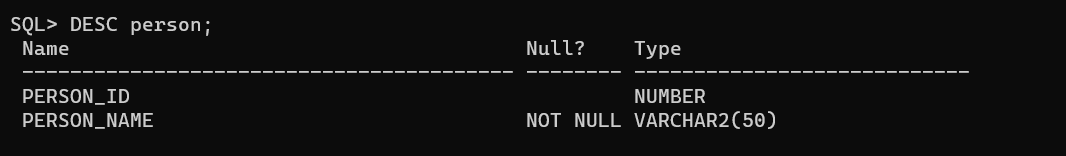
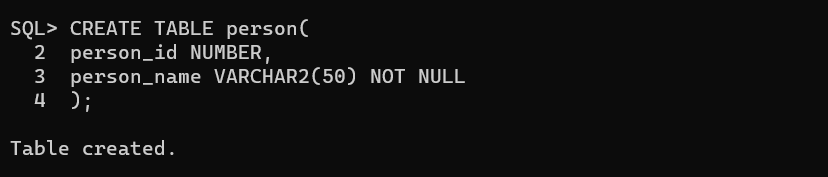
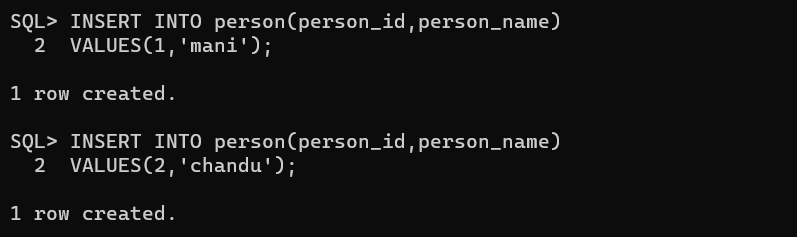
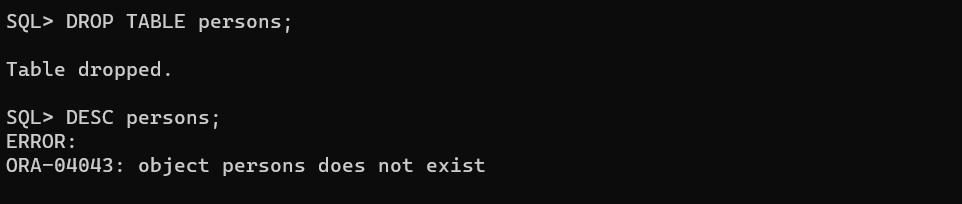
Create table



Desc table



Alter table

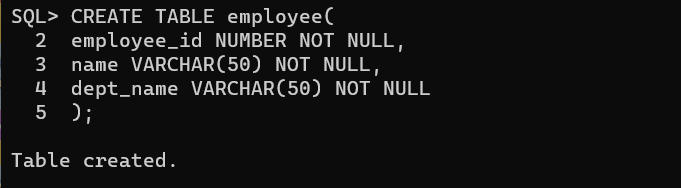
Drop table

Truncate table

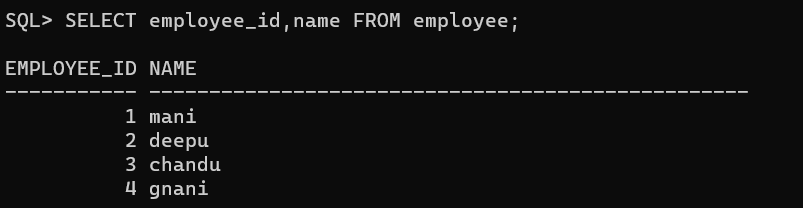


**EXPERIMENT-2**

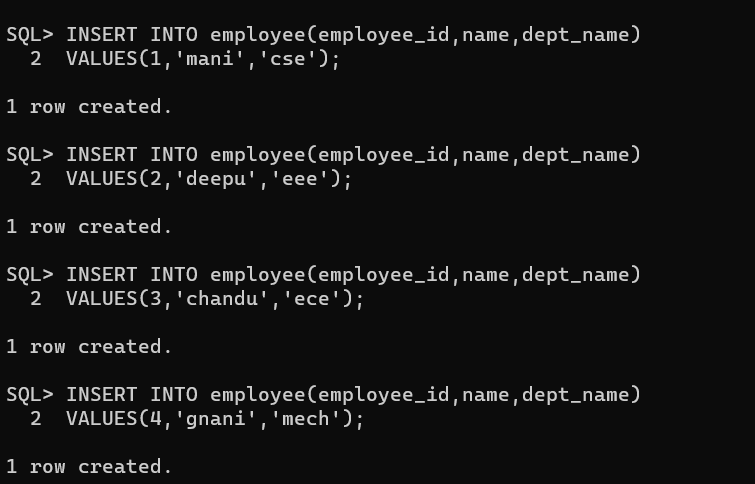
**2. Write SQL queries to MANIPULATE TABLES for various databases using DML commands(i.e. INSERT, SELECT, UPDATE, DELETE,).**



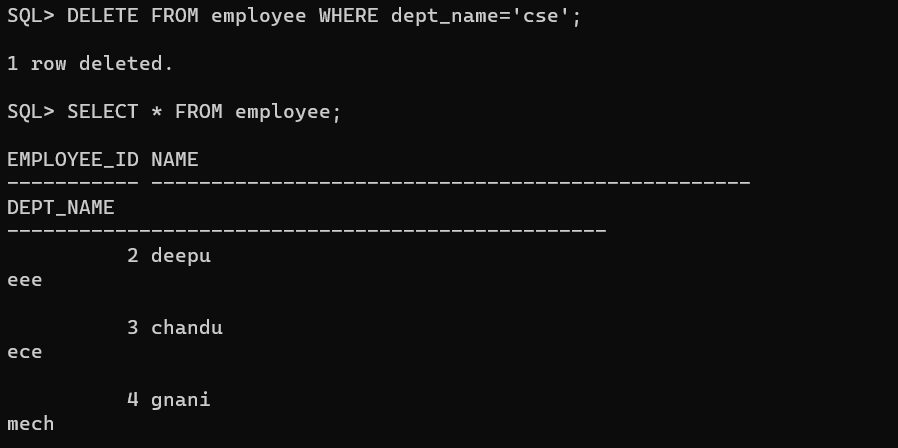
SELECT COMMAND



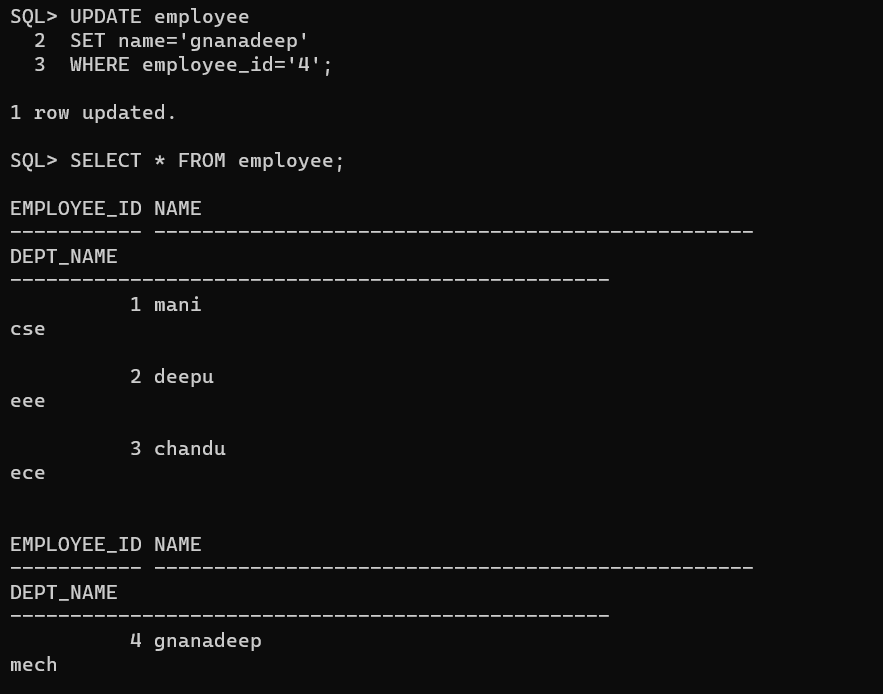
INSERT COMMAND



DELETE COMMAND

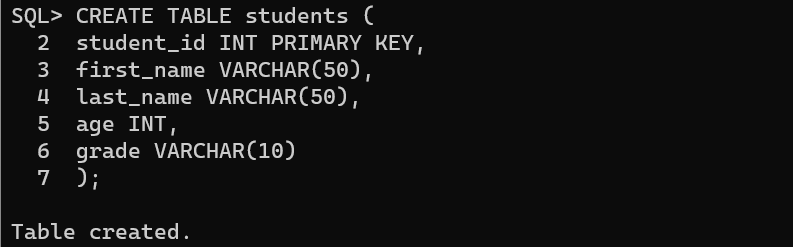


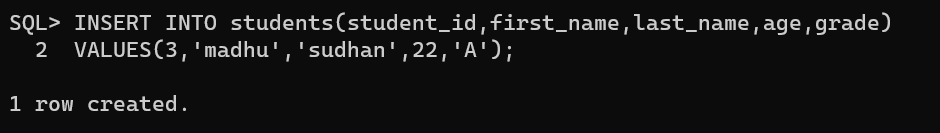
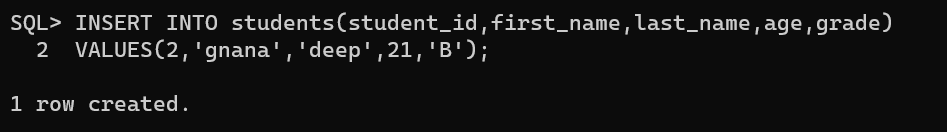
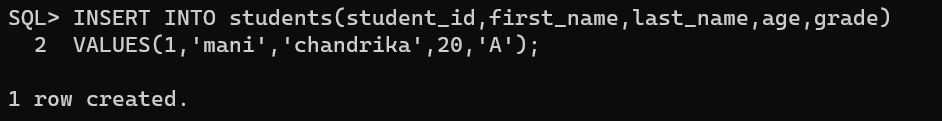
UPDATE COMMAND

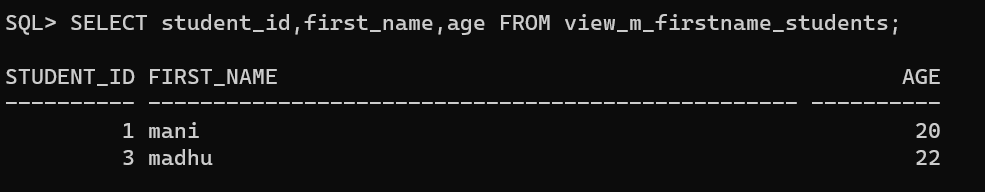
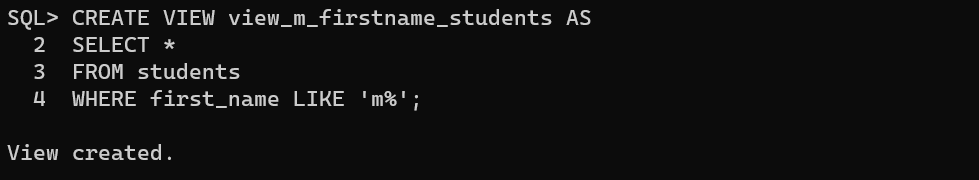
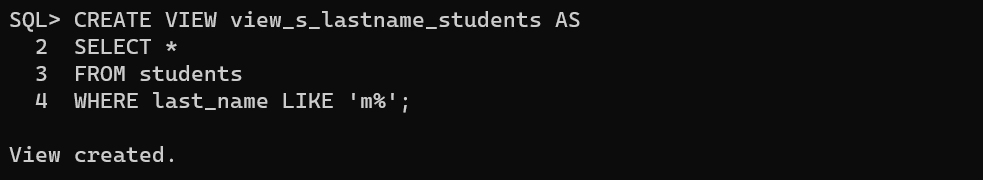
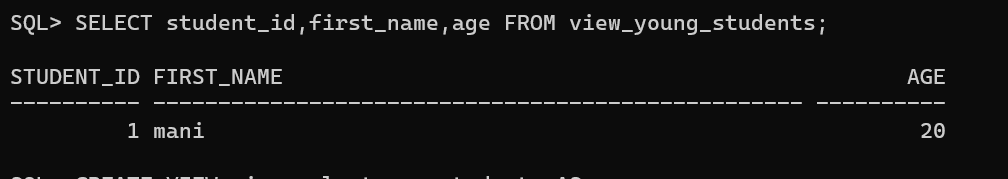
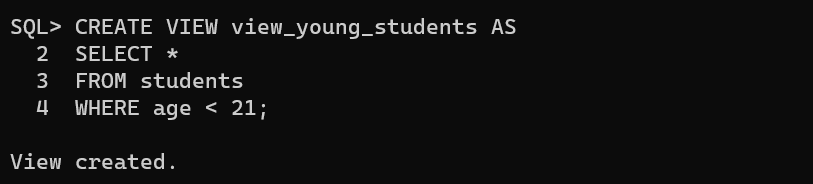
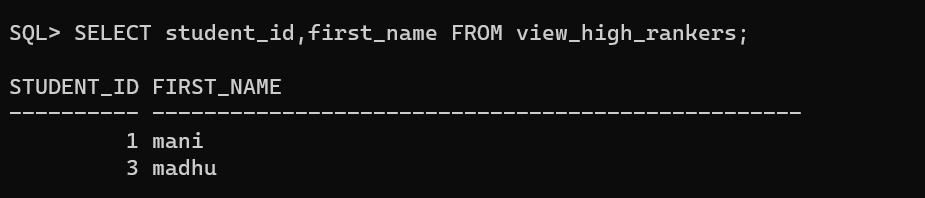
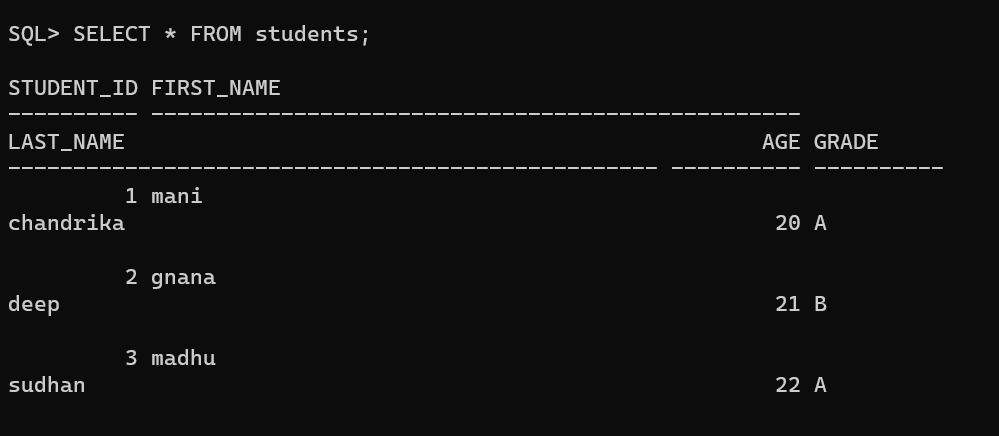
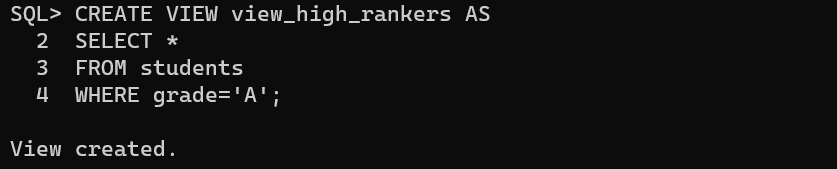


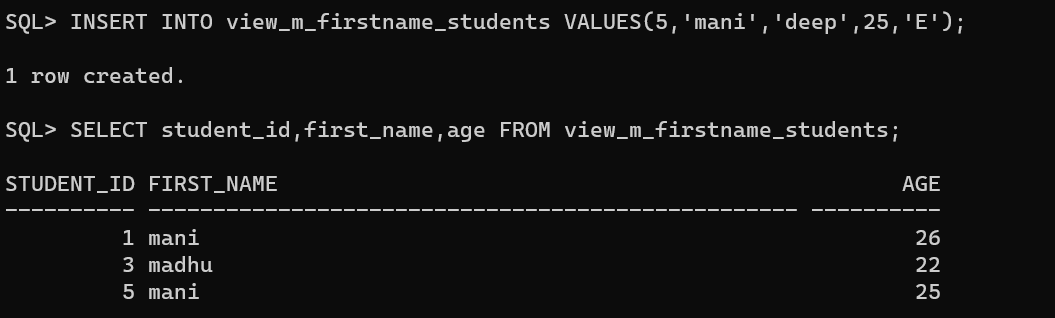
**EXPERIMENT-3**

**3. Write SQL queries to create VIEWS for various databases (i.e. CREATE VIEW, UPDATE VIEW, ALTER VIEW, and DELETE VIEW).**

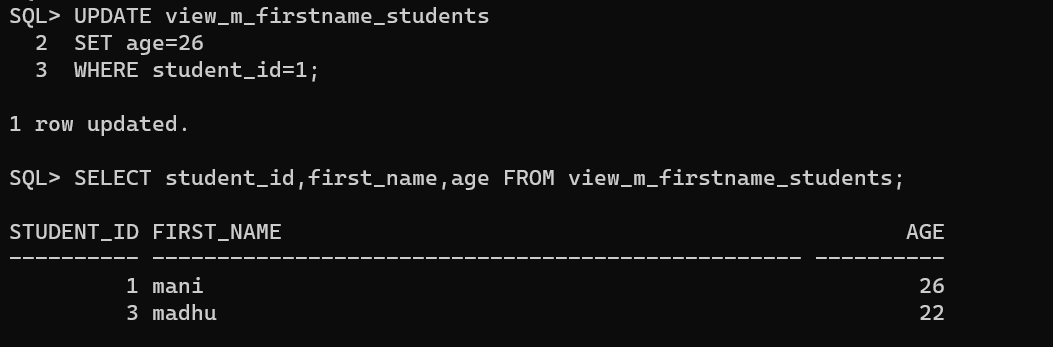




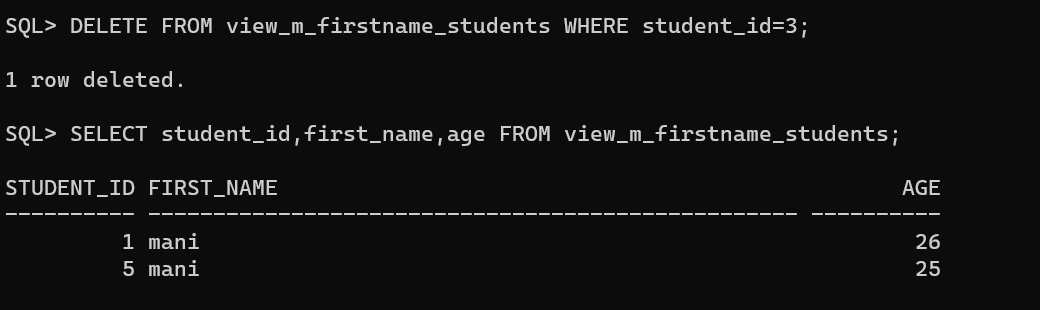
CREATE VIEW

INSERT VIEW

UPDATE VIEW



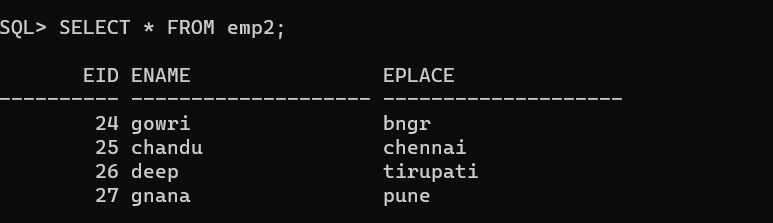
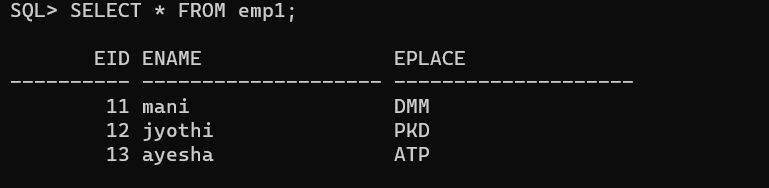
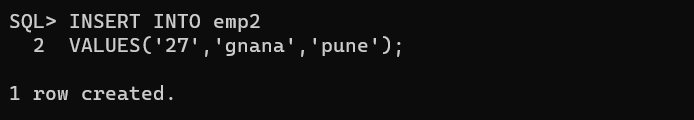
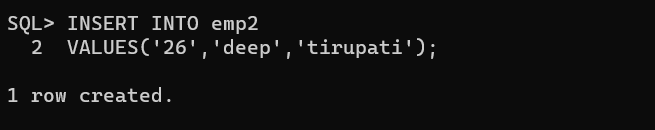
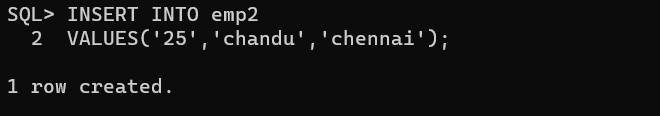
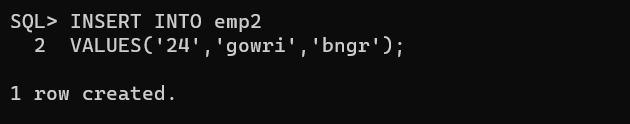
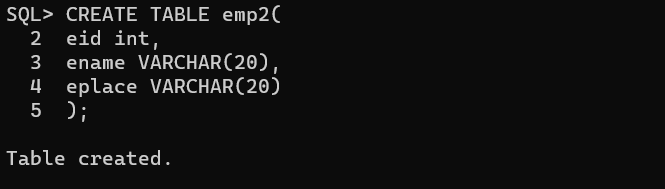
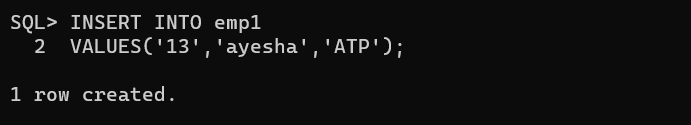
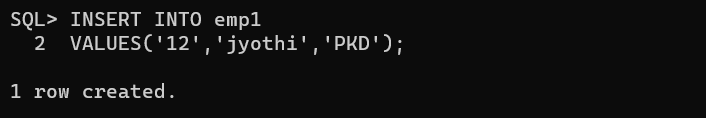
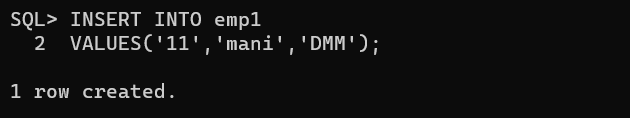
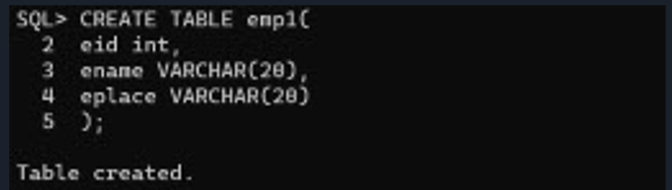
DELETE VIEW



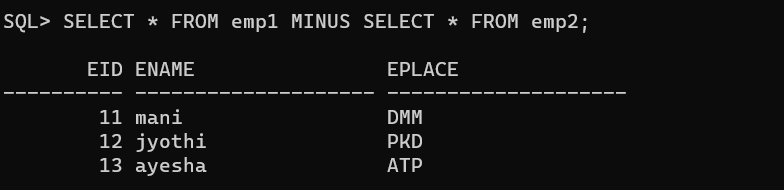
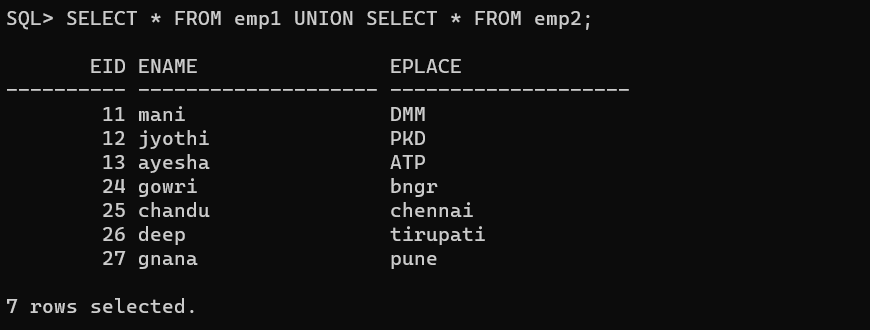
**EXPERIMENT-4**

**4. Write SQL queries to perform RELATIONAL SET OPERATIONS (i.e. UNION, UNION ALL,**

**INTERSECT, MINUS, CROSS JOIN, NATURAL JOIN).**

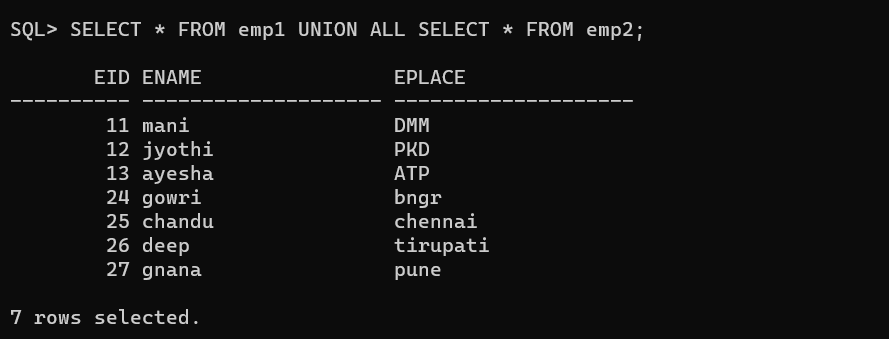


UNION

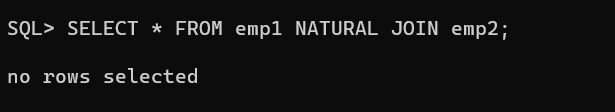


MINUS

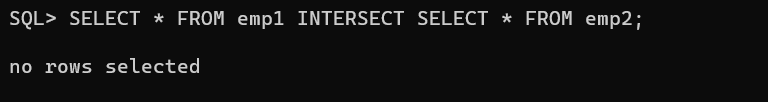
UNION ALL



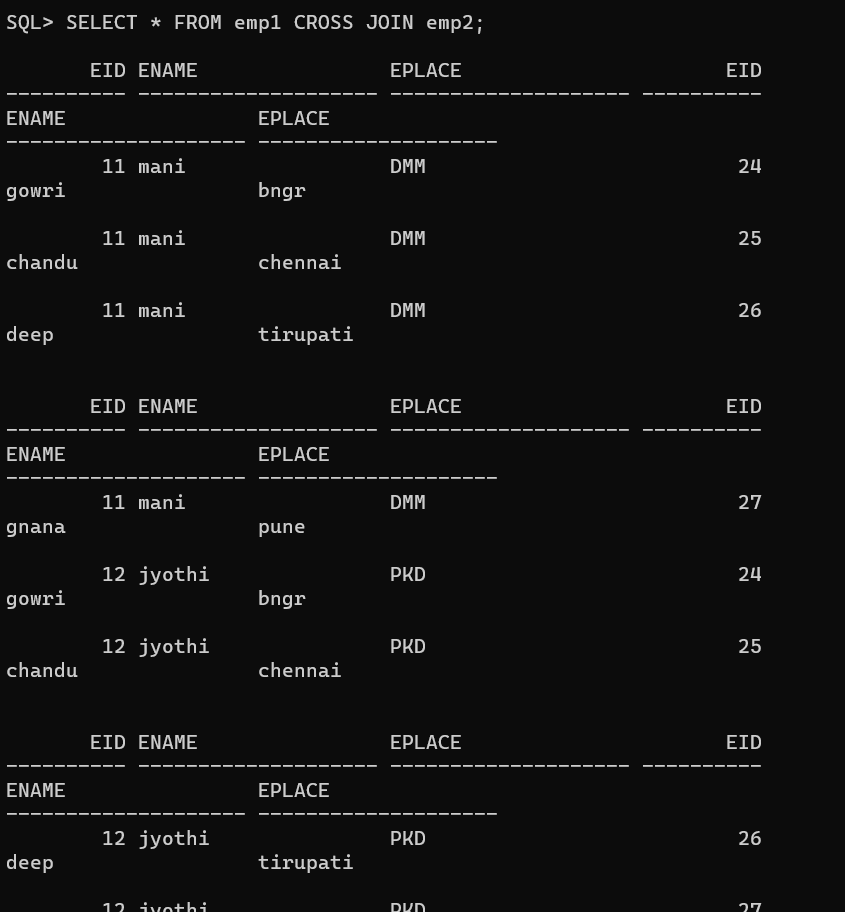
NATURAL JOIN

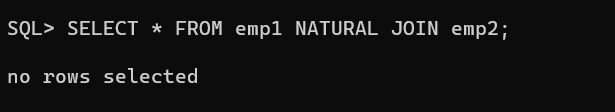
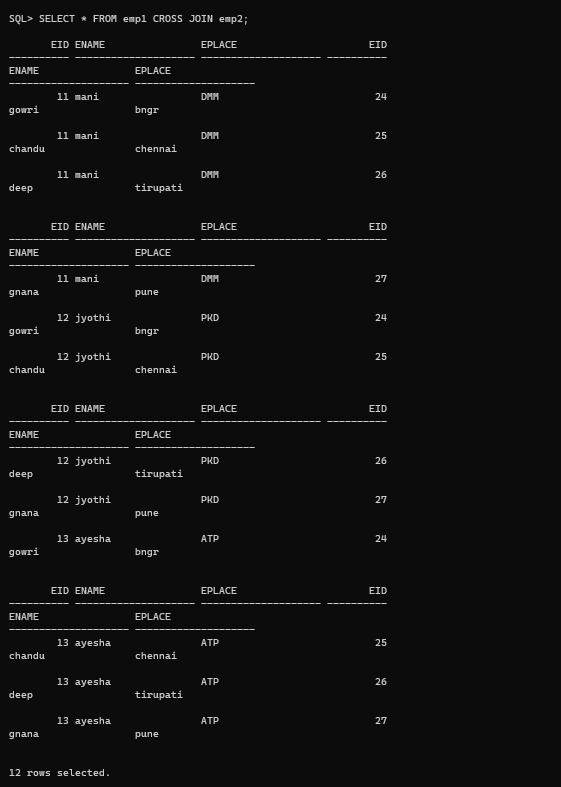


INTERSECT



CROSS JOIN

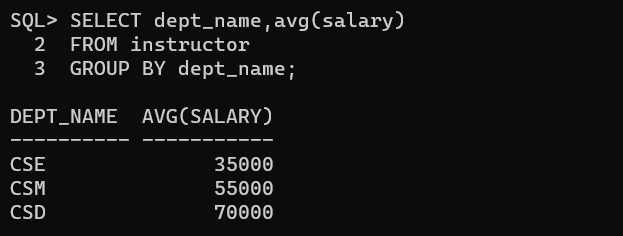
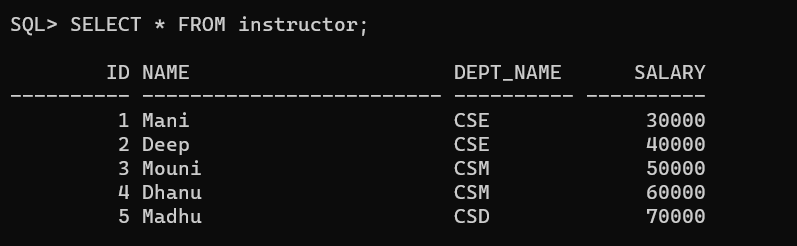
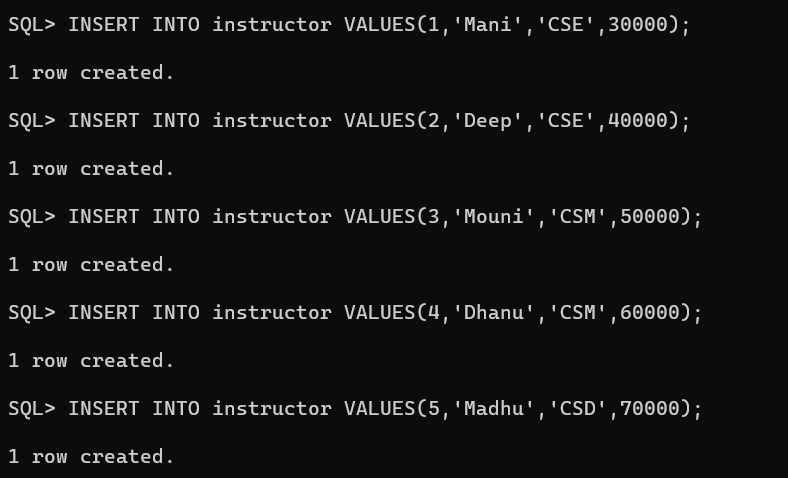
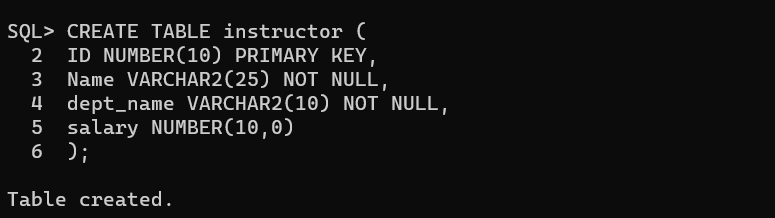




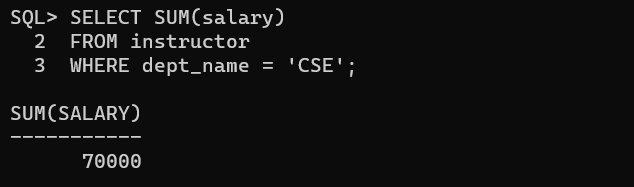
**EXPERIMENT-5**

**5. Write SQL queries to perform AGGREGATE OPERATIONS (i.e. SUM, COUNT, AVG, MIN,**

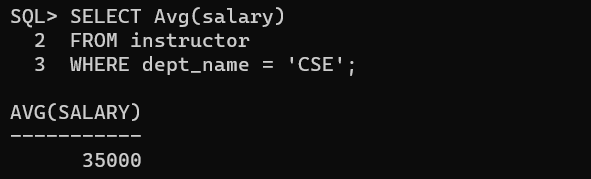
**MAX).**



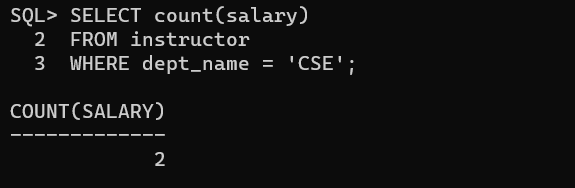
SUM



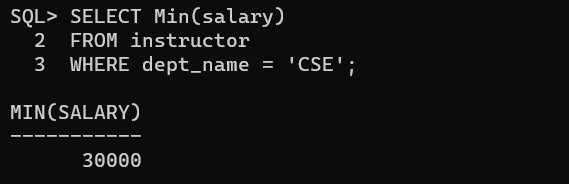
AVG



COUNT

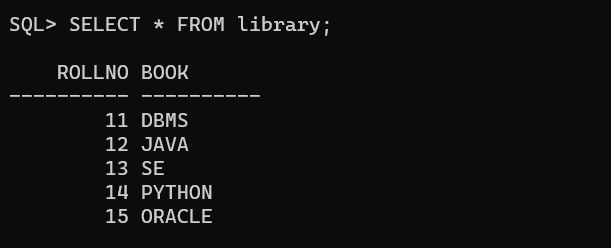
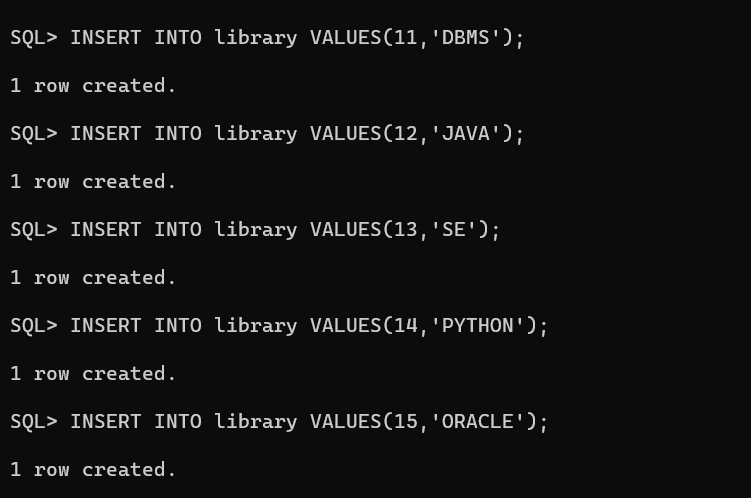
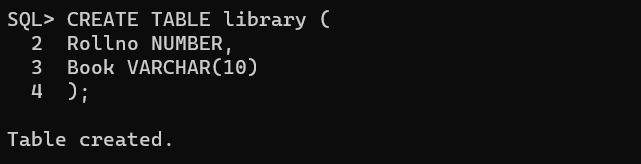


MIN

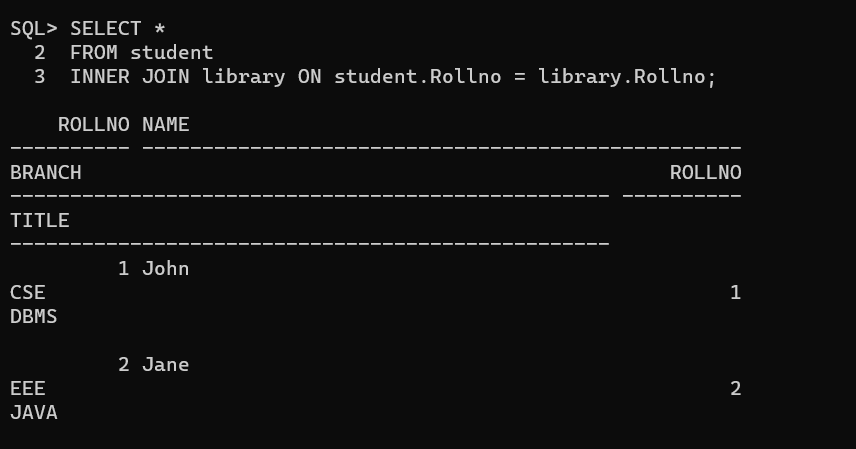
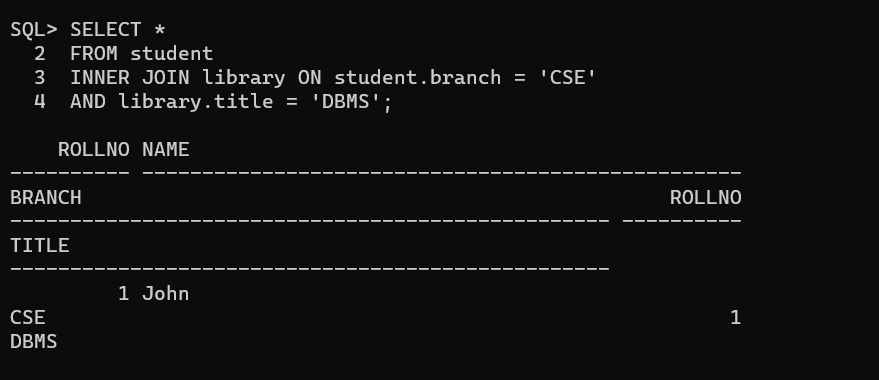


**EXPERIMENT-6**

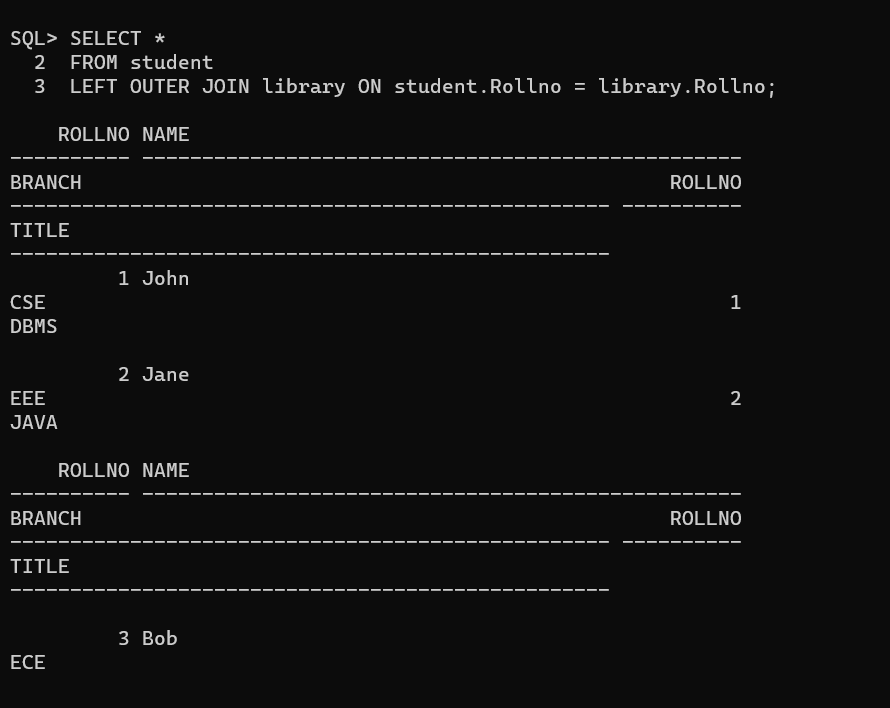
**6. Write SQL queries to perform JOIN OPERATIONS (i.e. CONDITIONAL JOIN, EQUI JOIN,LEFT OUTER JOIN, RIGHT OUTER JOIN, FULL OUTER JOIN).**



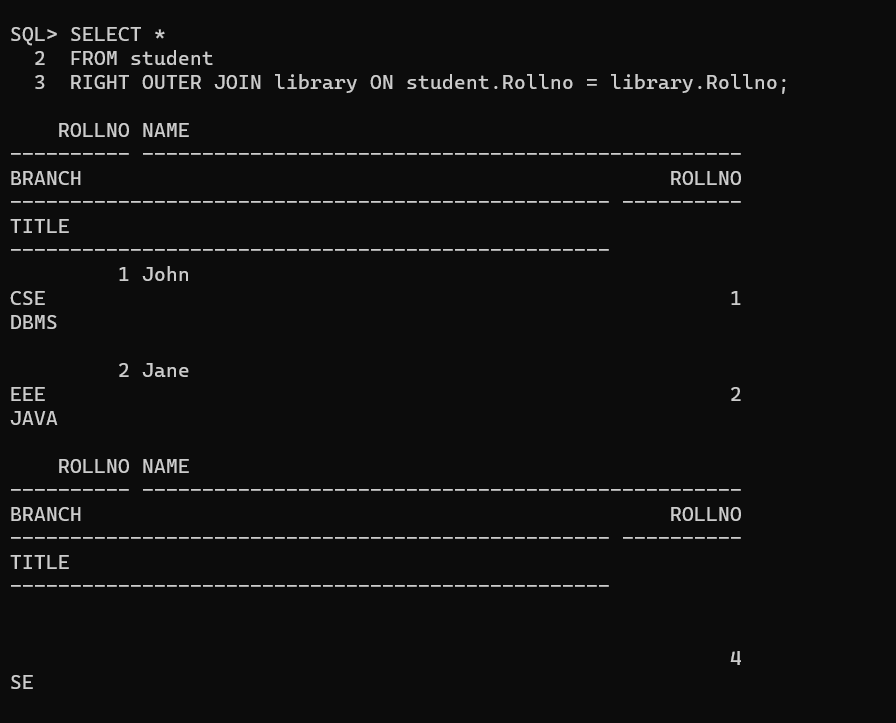
INNER JOIN



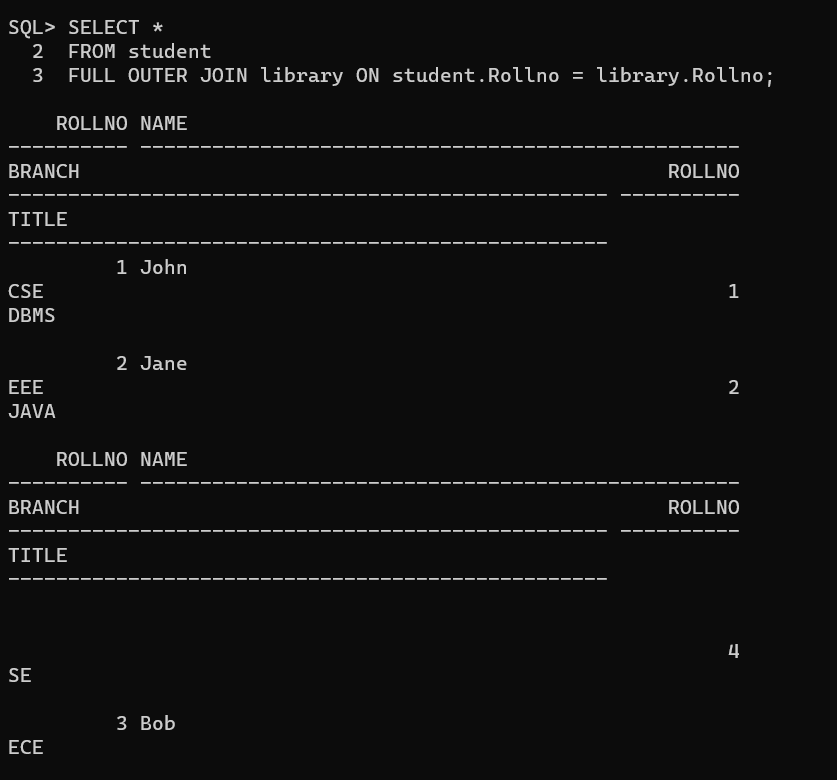
LEFT OUTER JOIN



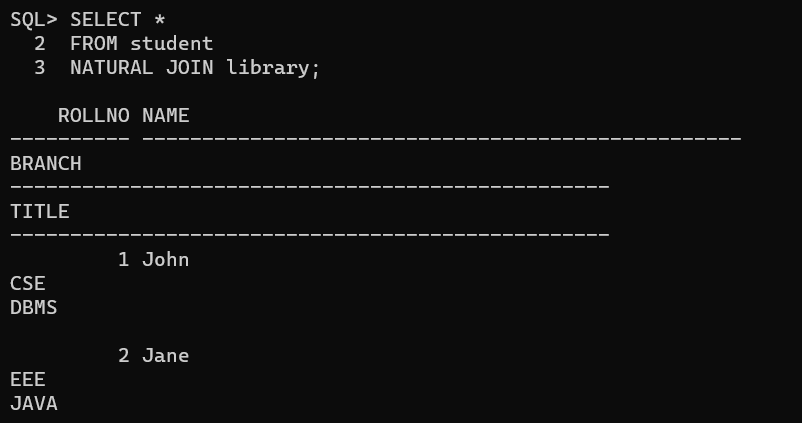
RIGHT OUTER JOIN



FULL OUTER JOIN

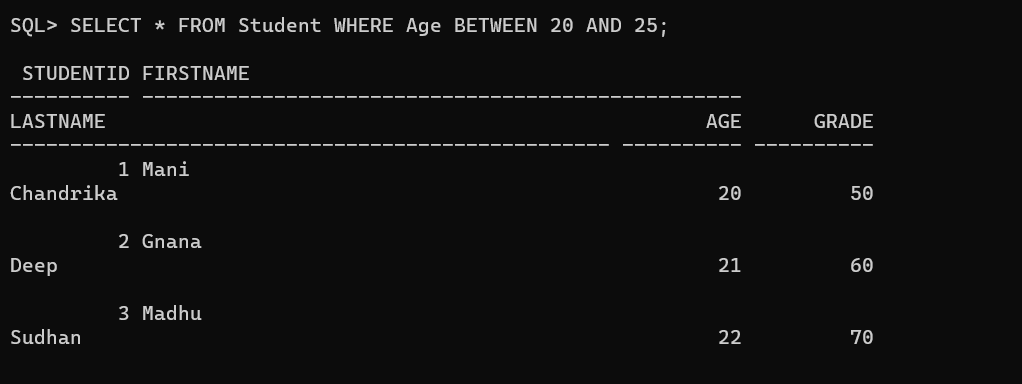
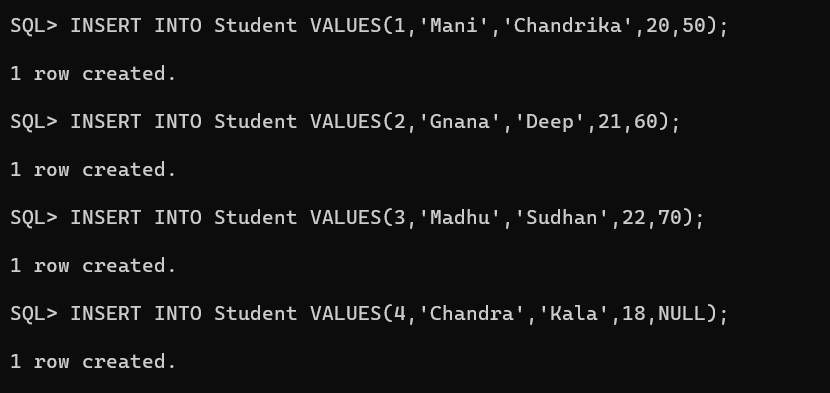
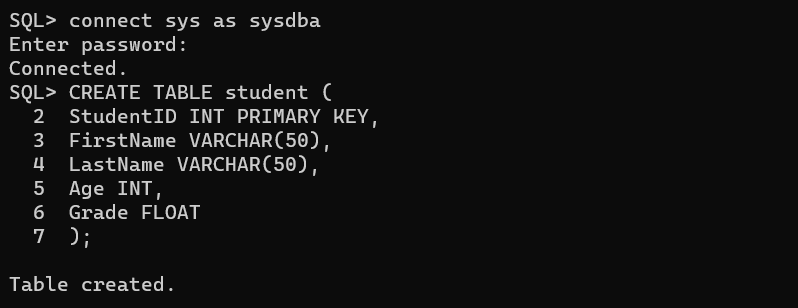


NATURAL JOIN



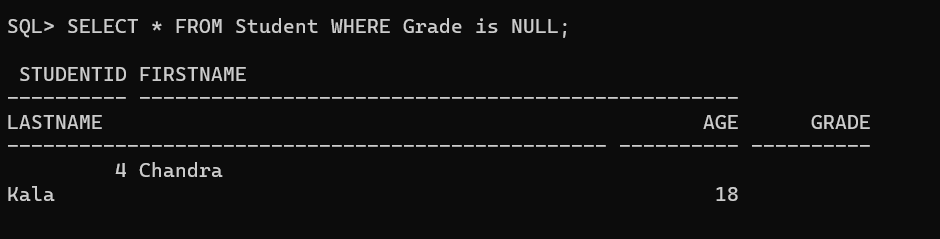
**EXPERIMENT-7**

**7. Write SQL queries to perform SPECIAL OPERATIONS (i.e. ISNULL, BETWEEN, LIKE, IN,EXISTS).**

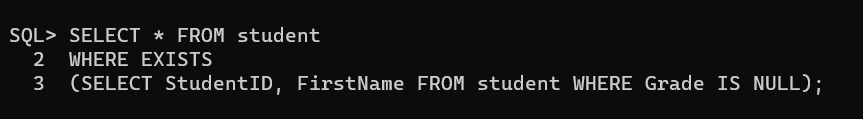


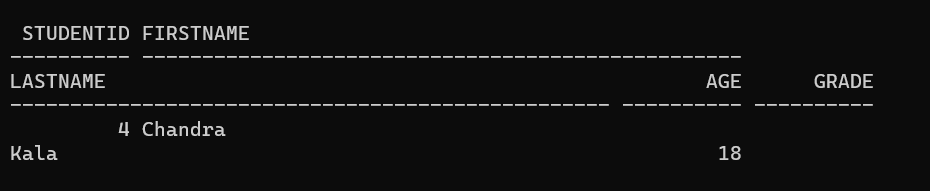
BETWEEN

IS NULL

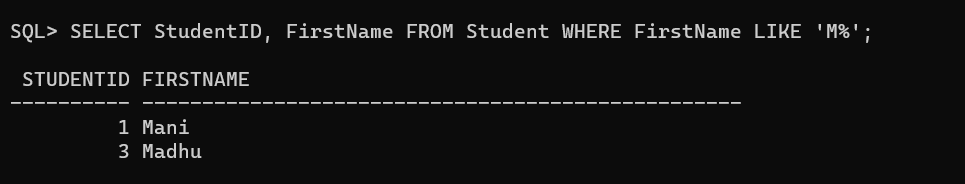


EXISTS

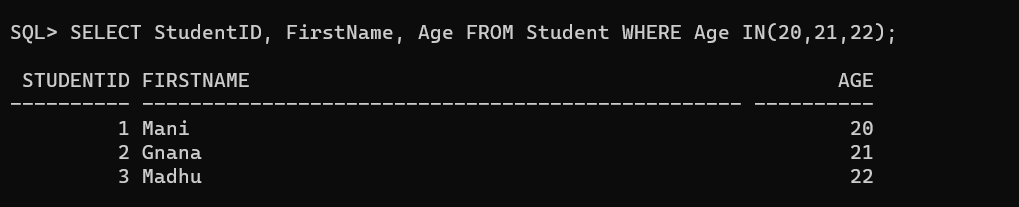




LIKE



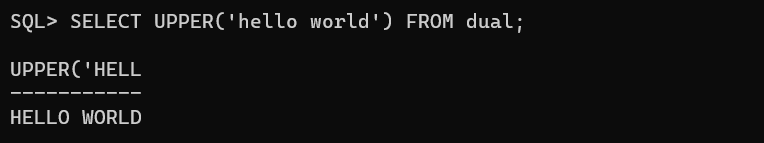
IN



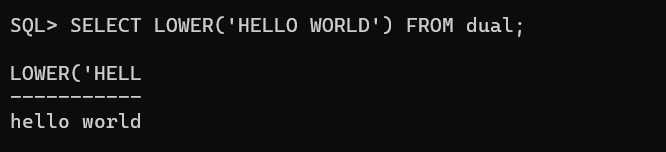
**EXPERIMENT-8**

**8. Write SQL queries to perform ORACLE BUILT-IN FUNCTIONS (i.e. DATE, TIME).**

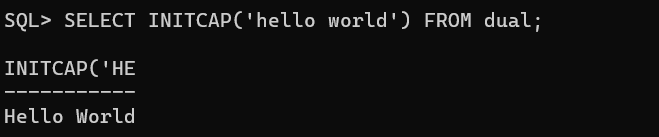
UPPER



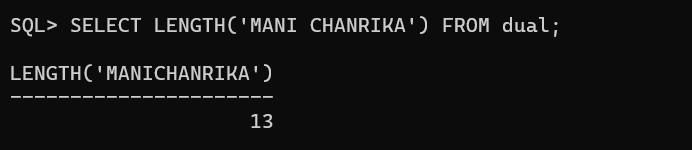
LOWER



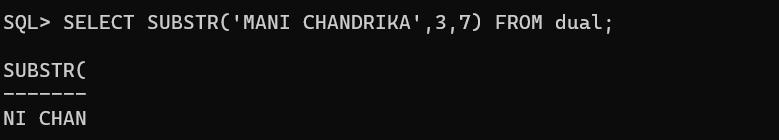
INITCAP



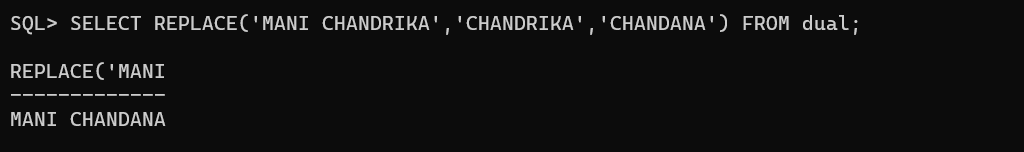
LENGT



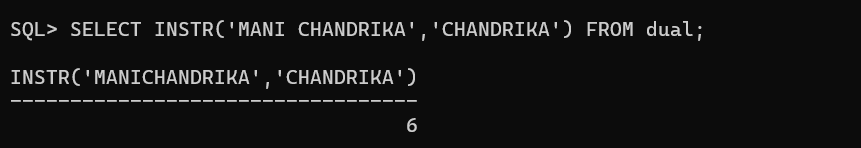
SUBSTR



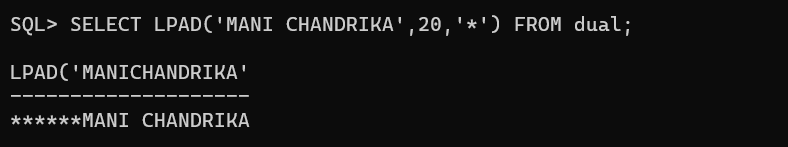
REPLACE



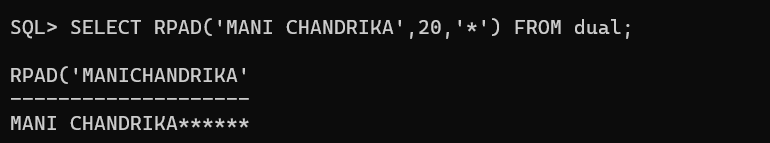
INSTR



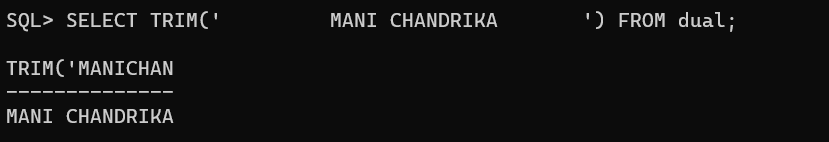
LPAD



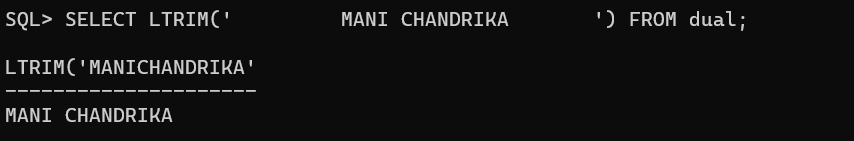
RPAD



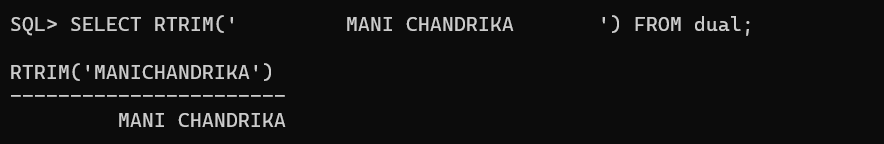
TRIM



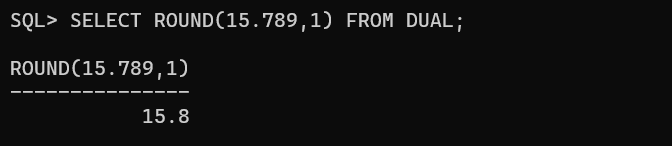
LTRIM



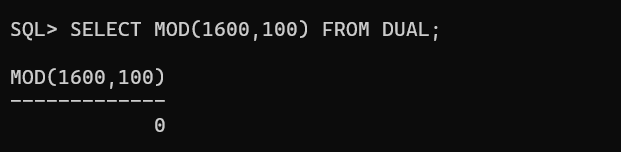
RTRIM



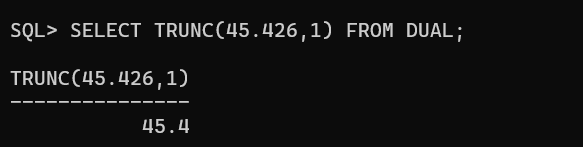
ROUND



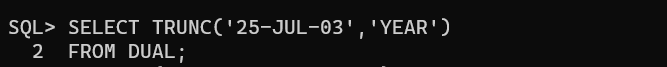
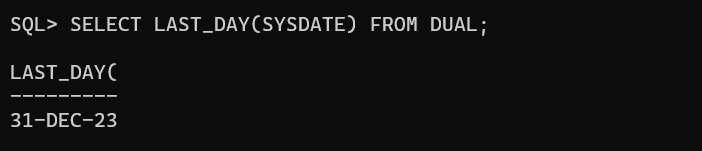
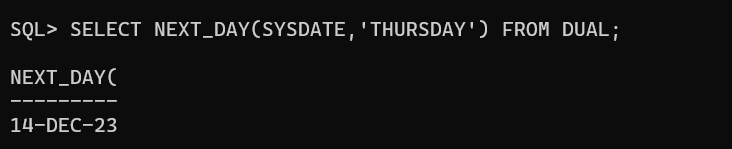
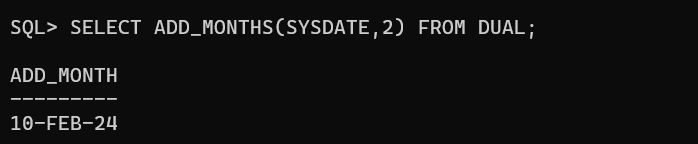
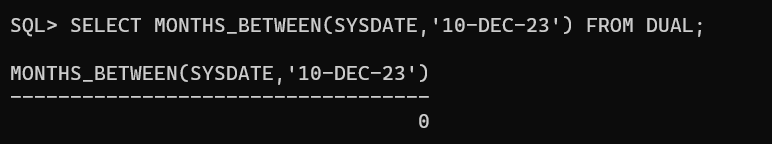
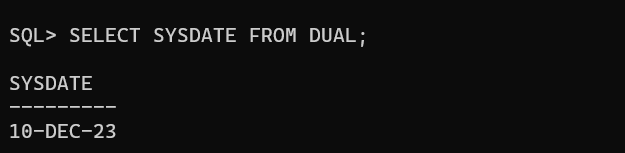
MOD



TRUNC



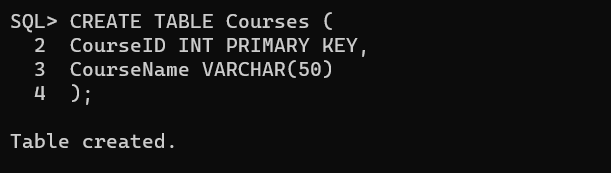
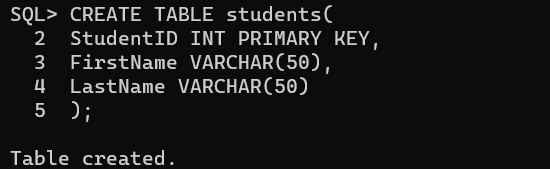
DATE



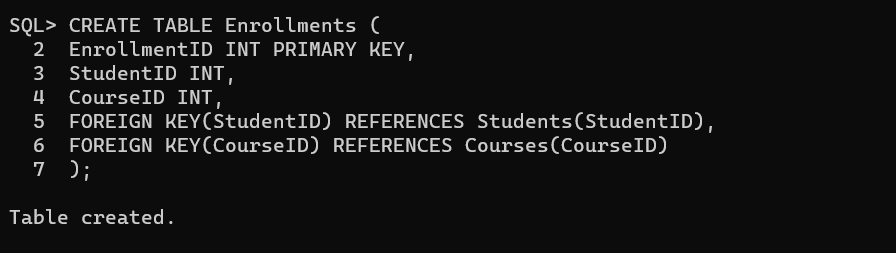
**EXPERIMENT-9**

**9. Write SQL queries to perform KEY CONSTRAINTS (i.e. PRIMARY KEY, FOREIGN KEY,UNIQUE NOT NULL, CHECK, DEFAULT).**

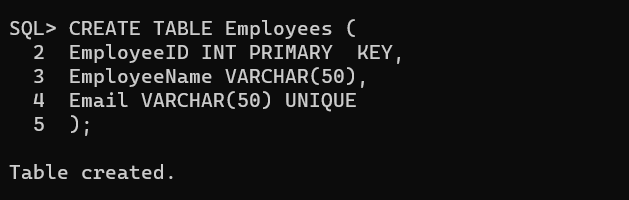
PRIMARY KEY



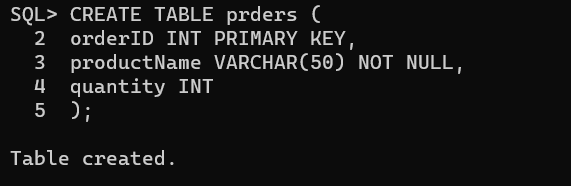
FOREIGN KEY



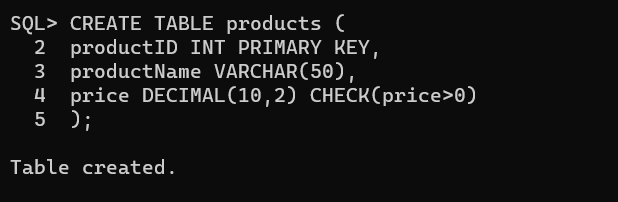
UNIQUE KEY



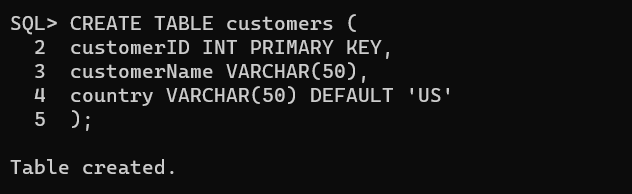
NOT NULL KEY



CHECK

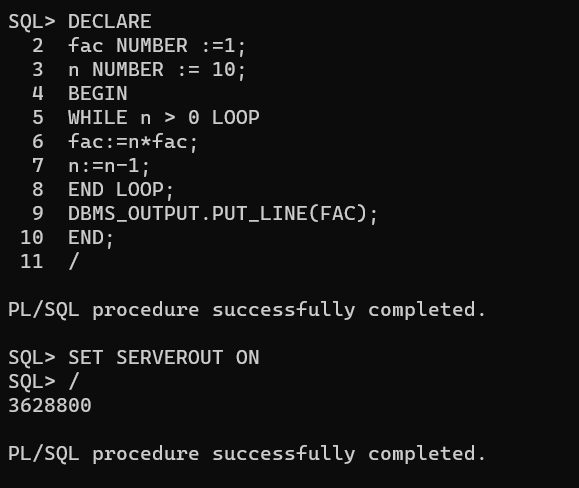


DEFAULT



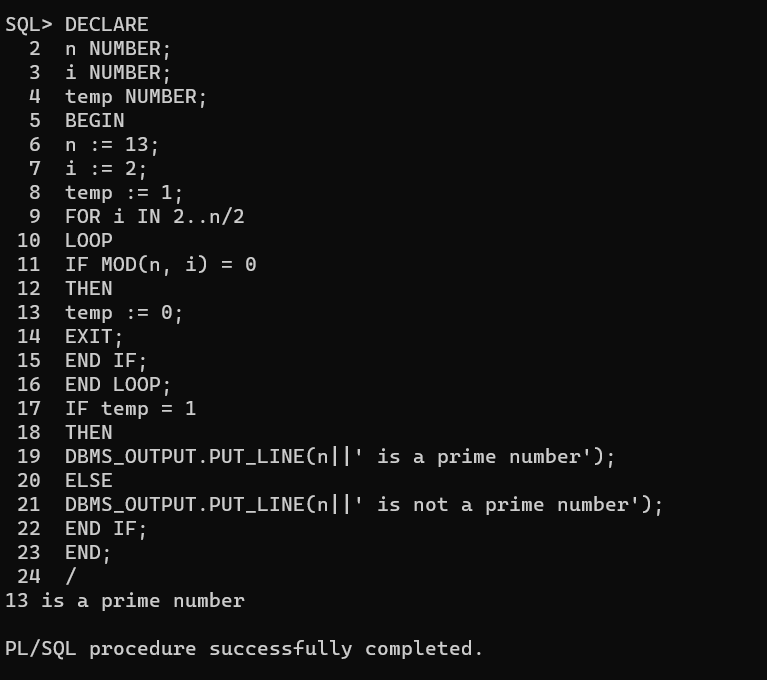
**EXPERIMENT-10**

**10. Write a PL/SQL program for calculating the factorial of a given number.**



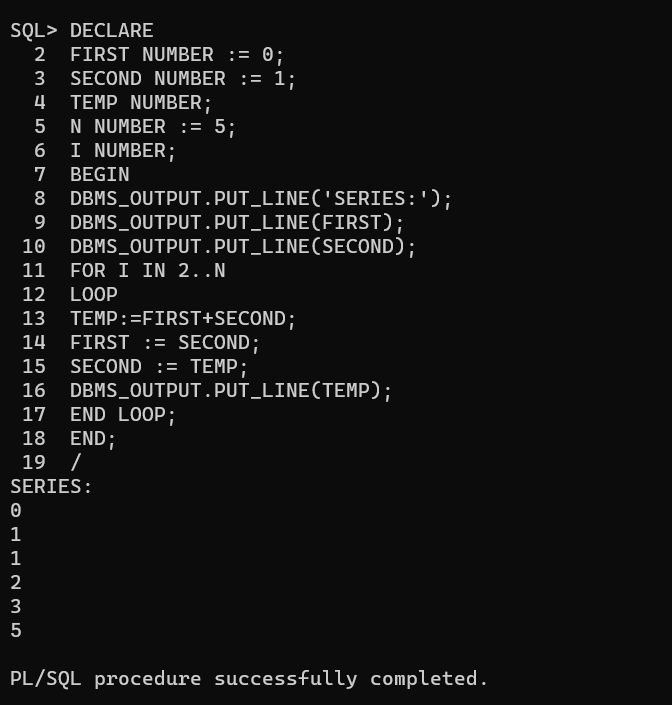
**EXPERIMENT-11**

**11. Write a PL/SQL program for finding the given number is prime number or not.**



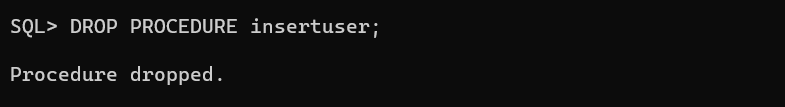
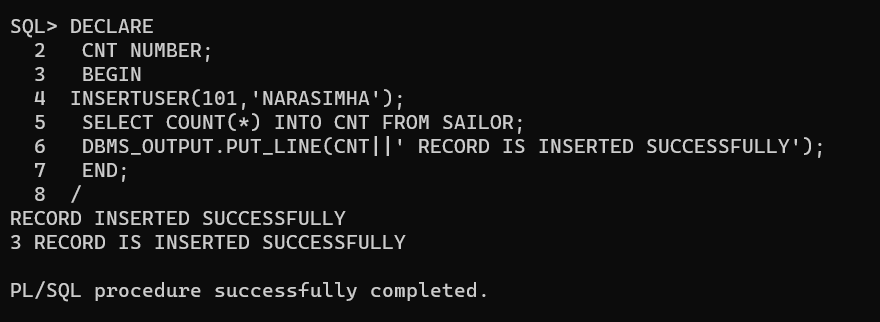
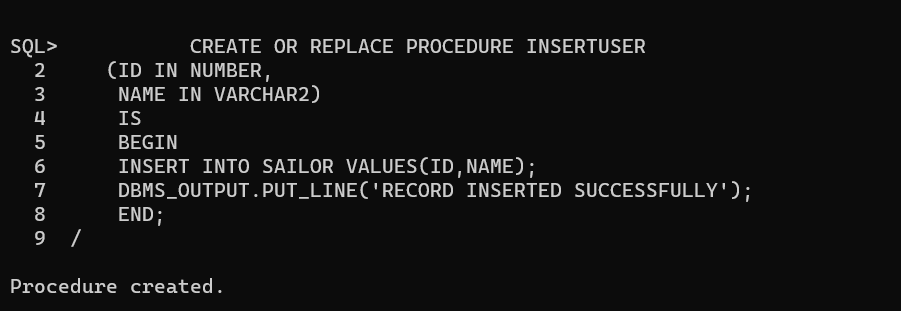
**EXPERIMENT-12**

**12. Write a PL/SQL program for displaying the Fibonacci series up to an integer.**



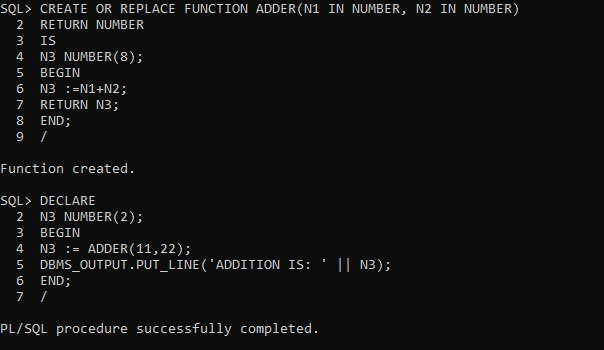
**EXPERIMENT-13**

**13. Write PL/SQL program to implement Stored Procedure on table.**

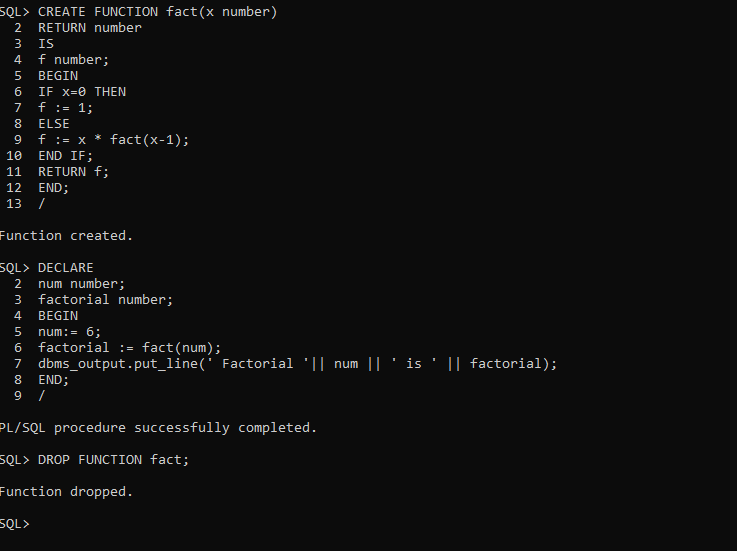


**EXPERIMENT-14**

**14. Write PL/SQL program to implement Stored Function on table.**

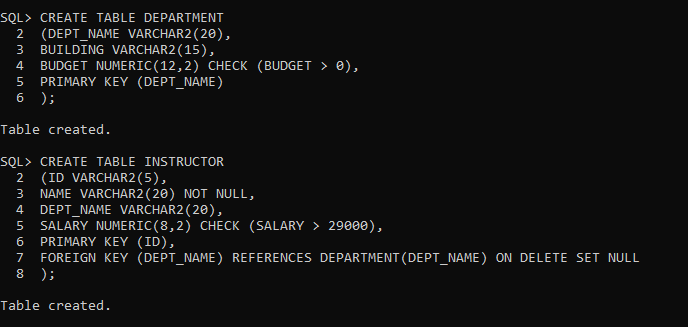


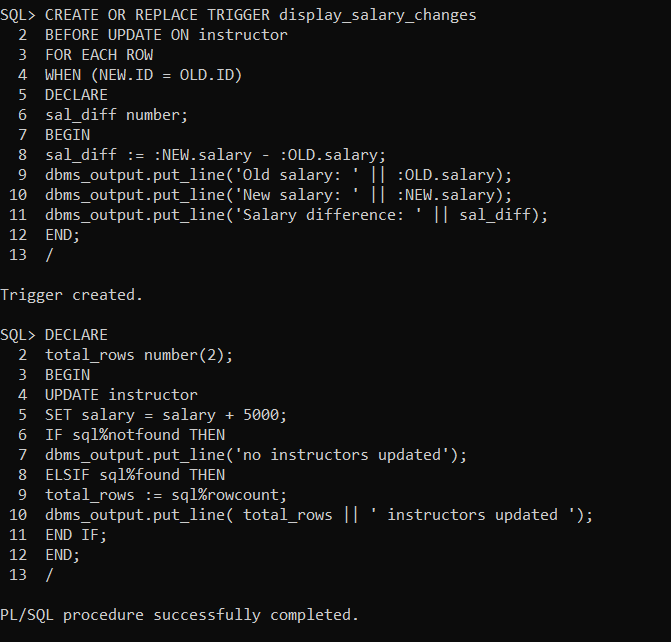
Recursive Fuction



**EXPERIMENT-15**

**15. Write PL/SQL program to implement Trigger on table.**

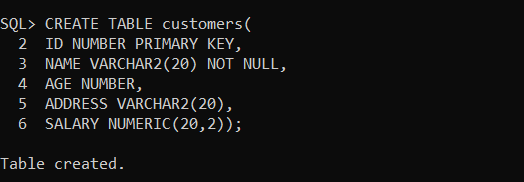


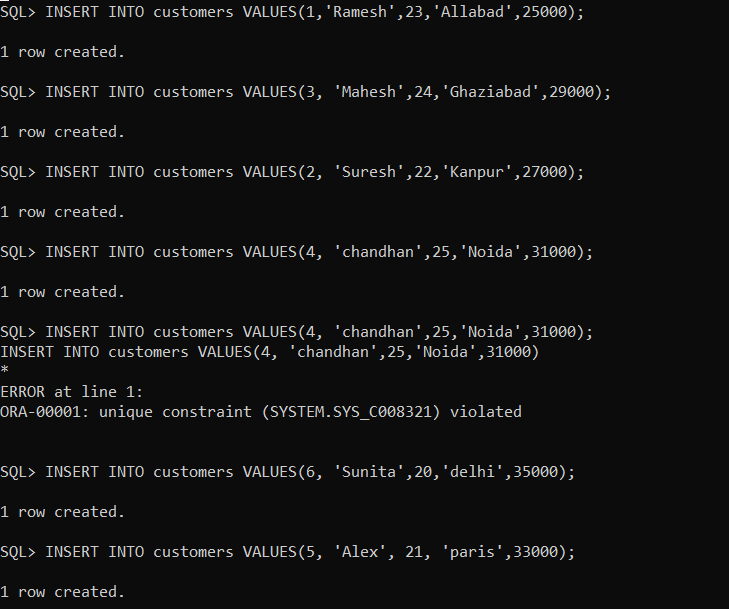


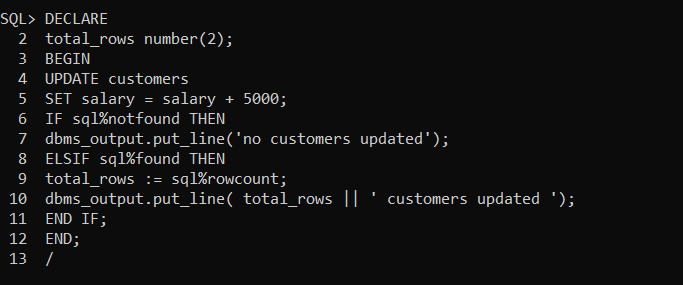
**EXPERIMENT-16**

**16. Write PL/SQL program to implement Cursor on table.**

**1. implicit cursor**







**EXPLICIT CURSOR**

