



Faculty of Technology and Engineering

Chandubhai S. Patel Institute of Technology (CSPIT)

Department of Computer Science & Engineering

Date: / /

Laboratory Manual

Academic Year	:	2024-25	Semester	:	4
Course code	:	CSE206	Course name	:	DATABASE MANAGEMENT SYSTEM

Practical - 1

Aim: Global Trust Bank is expanding its operations and requires a robust database management system to efficiently manage its employees, job profiles, customers' accounts, and loan information. The bank has laid out specific requirements and constraints to ensure data integrity, uniqueness, and completeness.

Requirements

Employee Management:

- Job Profiles: Maintain records of different job profiles.
- Employees: Store detailed information about employees, including their association with job profiles.

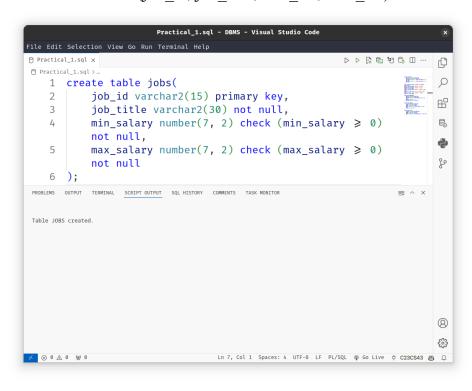
Customer Management:

- Accounts: Maintain separate records for customers' bank accounts.
- Loans: Maintain separate records for customers' loan details
- Design and implement the schema as per the given information.

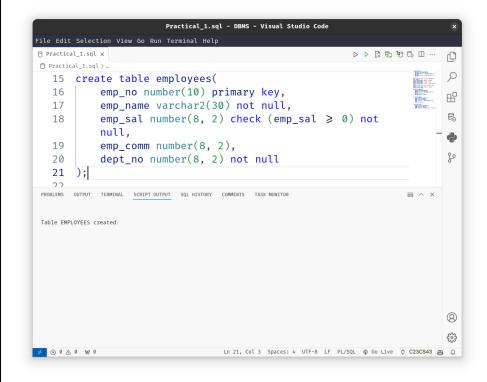
Constraints -

- Not Null Constraints: Critical fields must not be null to ensure data completeness.
- Unique Constraints: Certain fields must have unique values to avoid duplicates (e.g., Account Number).
- Check Constraints: Enforce domain integrity by limiting the values that can be placed in a column.

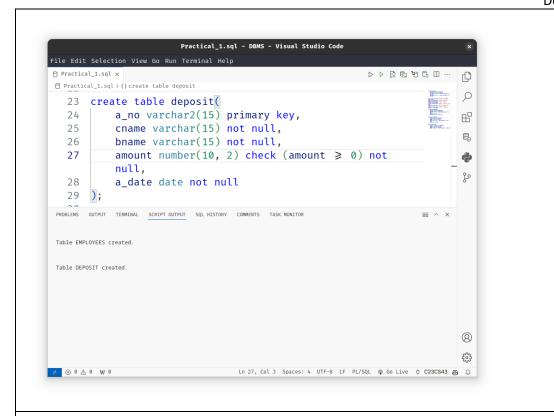
1. Create Table Job (job id, job title, min sal, max sal)



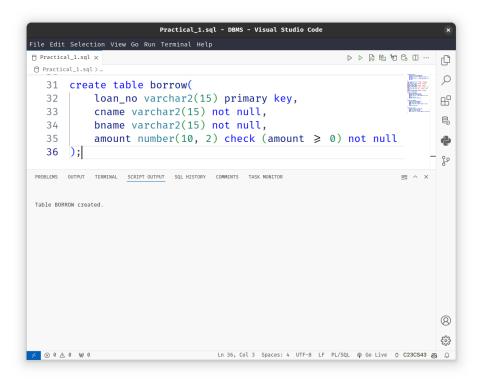
2. Create table Employee (emp no, emp name, emp sal, emp comm, dept no)



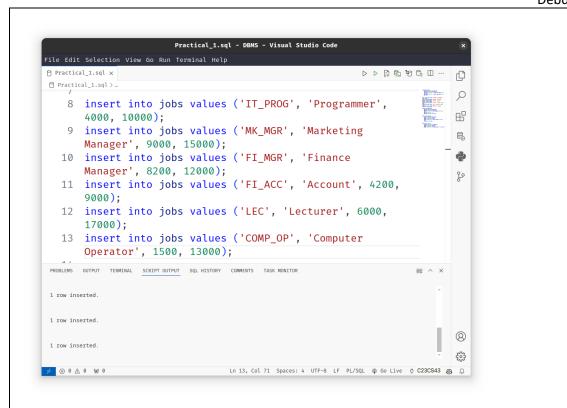
3. Create table deposit (a no, name, bname, amount, a date)



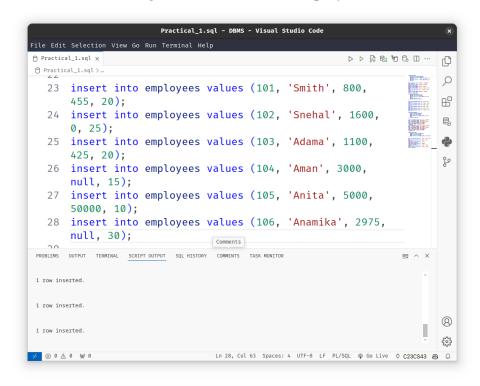
4. Create table borrow (loan no,cname,bname,amount)



5. Insert the following values in the table JOB



6. Insert the following values in the table Employee



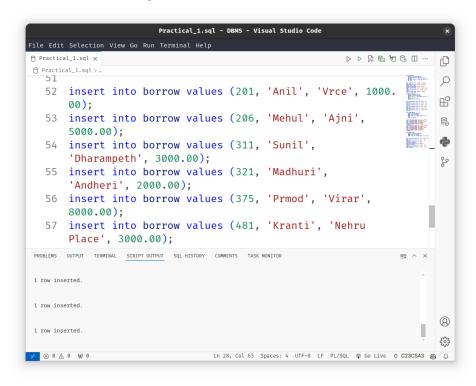
7. Insert the following values in the table deposit

```
Practical_1.sql - DBMS - Visual Studio Code

    Practical_1.sql x

Practical_1.sql >...
  38 insert into deposit values (101, 'Anil', 'Andheri',
  7000, to_date('01-01-2006', 'dd-mm-yyyy'));
39 insert into deposit values (102, 'Sunil', 'Virar',
                                                                                         8
       5000, to_date('15-07-2006', 'dd-mm-yyyy'));
   40 insert into deposit values (103, 'Jay'
                                                                                          4
        'Villeparle', 6500, to_date('12-03-2006', 'dd-mm-yyyy'));
                                                                                          go
   41 insert into deposit values (104, 'Vijay', 'Andheri',
   8000, to_date('17-09-2006', 'dd-mm-yyyy'));
42 insert into deposit values (105, 'Keyur', 'Dadar',
        7500, to_date('19-11-2006', 'dd-mm-yyyy'));
   43 insert into deposit values (106, 'Mayur',
PROBLEMS OUTPUT TERMINAL SCRIPT OUTPUT SQL HISTORY COMMENTS TASK MONITOR
1 row inserted.
1 row inserted.
                                                                                          8
1 row inserted.
                                                                                          563
                                        Ln 28, Col 63 Spaces: 4 UTF-8 LF PL/SQL @ Go Live O C23CS43 & Q
```

8. Insert the following values in the table borrow



9. Describe the table Job, employee, deposit, borrow

