

School of Computer Science and Engineering

Cycle Sheet - I

Aim: To study Data Definition and Data Manipulation commands.

Consider the following schema:

Table Name: Employee

Attribute	Data Type
First Name	VARCHAR(15)
Mid Name	CHAR(2)
Last Name	VARCHAR(15)
SSN Number	CHAR(9)
Birthday	DATE
Address	VARCHAR(50)
Sex	CHAR(1)
Salary	NUMBER (7)
Supervisor SSN	CHAR(9)
Department Number	NUMBER (5)

Table Name: Department

Attribute	Data Type
Department Name	Varchar(15)
Department Number	Number(5)
ManagerSSN	CHAR(9)
ManageStartDate	DATE

Table Name: Project

Attribute	Data Type
Project Name	VARCHAR(15)
Project Number	NUMBER(5)
Project Location	VARCHAR(15)
Department Number	NUMBER(5)

Data For Employee Table

FName	Mini t	LName	SSN	BDate	Address	Sex	Salary	SuperSSN	DepNo
Doug	E	Gilbert	123	09-JUN-1968	Chennai	M	80000	NULL	1
Joyce		PAN	124	07-FEB-1973	Vellore	F	70000	NULL	1
Frankin	T	Wong	125	08-DEC-1972	Delhi	M	40000	123	2
Jennifer	S	Wallace	564	20-JUN-1983	Chennai	F	43000	123	2
John	B	Smith	678	09-JAN-1987	Madurai	M	30000	124	1
Ramesh	K	Narayan	234	15-SEP-1985	Bangalore	M	38000	124	3

Data For Department table

DName	DepNo	MgrSSN	MgrStartDate
Administration	2	564	03-Jan-2012
Headquarter	1	678	16-Dec-2014
Finance	3	234	18-May-2013
IT	4	123	12-Jun-2015

Data For Project

PName	PNumber	Plocation	DepNo
ProjectA	3388	Delhi	1
ProjectB	1945	Hyderabad	1
ProjectC	6688	Chennai	2
ProjectD	2423	Chennai	2
ProjectE	7745	Bangalore	3

Exercise-I:

1. Insert the data given above in both employee, department and project tables.
2. Display all the employees' information.
3. Display Employee name along with his SSN and Supervisor SSN.
4. Display the employee names whose bdate is '20-JUN-1983'.
5. Display salary of the employees without duplications.
6. Display the MgrSSN, MgrStartDate of the manager of 'Finance' department.
7. Modify the department number of an employee having fname as 'Joyce' to 5
8. Alter Table department add column DepartmentPhoneNum of NUMBER data type and insert values into this column only.
9. Alter table department to modify the size of DepartmentPhoneNum.
10. Modify the field name DepartmentPhoneNum of departments table to PhNo.
11. Rename Table Department as DEPT.
12. Alter Table department remove column PhNo.
13. Create a table COPYOFDEPT as a copy of the table DEPT.
14. Delete all the rows from COPYOF DEPT table.
15. Remove COPYOF DEPT table.