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ADBMS Practical Assignment 1

Practical 1.

Create the following tables. (Primary Keys are underlined)

Emp(emp id ,emp name, address, bdate)

Investor (inv name, inv no, inv date, inv amt)

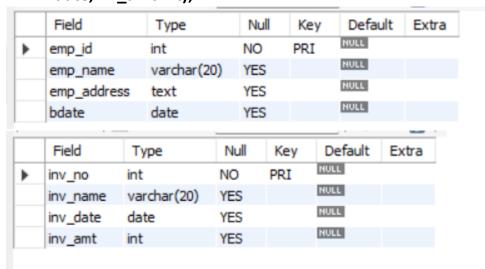
An employee may invest in one or more investments; hence he can be an investor. But an investor need not be an employee of the firm. Insert sufficient number of records in the relations / tables.

1. Create a database and two tables in it.

create database Employee investor; Ans:use Employee investor; create table Emp(emp_id int primary key,emp_name varchar(20),

emp address text, bdate date);

create table Investor(inv no int primary key,inv name varchar(20),inv date date,inv_amt int);



2. Add a column 'Salary' in to an Emp table.

alter table Emp add column salary int: Ans:-

	Field	Туре	Null	Key	Default	Extra		
•	emp_id	int	NO	PRI	NULL			
	emp_name	varchar(20)	YES		NULL			
	emp_address	text	YES		NULL			
	bdate	date	YES		NULL			
	salary	int	YES		NULL			

3.Add a column 'Age' in to an investor table .

Ans:- alter table Emp add column salary int;

			_			
	Field	Type	Null	Key	Default	Extra
•	inv_no	int	NO	PRI	NULL	
	inv_name	varchar(20)	YES		NULL	
	inv_date	date	YES		NULL	
	inv_amt	int	YES		NULL	
	age	int	YES		NULL	

4. Change the datatype of inv_no from int to number in Investor table

Ans:- alter table Investor modify column inv no numeric;

	Field	Type	Null	Key	Default	Extra
Þ	inv_no	decimal(10,0)	NO	PRI	NULL	
	inv_name	varchar(20)	YES		NULL	
	inv_date	date	YES		NULL	
	inv_amt	int	YES		NULL	
	age	int	YES		NULL	

5. Change the data type of any one column in an existing table.

Ans:- alter table Emp modify column emp_address varchar(20);

	Field	Type	Null	Key	Default	Extra
•	emp_id	int	NO	PRI	NULL	
	emp_name	varchar(20)	YES		NULL	
	emp_address	varchar(20)	YES		NULL	
	bdate	date	YES		NULL	
	salary	int	YES		NULL	

6. Change the name of column/field Emp_id to E_id.

Ans:- alter table Emp change emp_id e_id int;

	Field	Туре	Null	Key	Default	Extra
•	e_id	int	NO	PRI	NULL	
	emp_name	varchar(20)	YES		NULL	
	emp_address	varchar(20)	YES		NULL	
	bdate	date	YES		NULL	
	salary	int	YES		NULL	

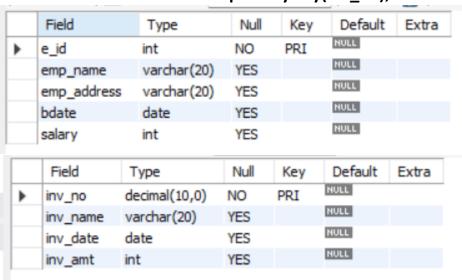
7. Drop a column 'Age' from an Investor table.

Ans:- alter table Investor drop column age;

	Field	Type	Null	Key	Default	Extra
•	inv_no	decimal(10,0)	NO	PRI	NULL	
	inv_name	varchar(20)	YES		NULL	
	inv_date	date	YES		NULL	
	inv_amt	int	YES		NULL	

8. Create a Primary key constraint between two tables.

Ans:- alter table Emp add primary key(e_id); alter table Investor add primary key(inv_no);



9. Create a foreign key constraint between two tables.

Ans:- alter table Investor add column e_id int, add constraint fk foreign key (e_id) references Emp(e_id);

	Field	Туре	Null	Key	Default	Extra
١	inv_no	decimal(10,0)	NO	PRI	NULL	
	inv_name	varchar(20)	YES		NULL	
	inv_date	date	YES		NULL	
	inv_amt	int	YES		NULL	
	e_id	int	YES	MUL	NULL	

10. Drop a foreign key constraint between two tables.

Ans:- alter table Investor drop column e_id;

	Field	Type	Null	Key	Default	Extra
•	inv_no	decimal(10,0)	NO	PRI	NULL	
	inv_name	varchar(20)	YES		NULL	
	inv_date	date	YES		NULL	
	inv_amt	int	YES		NULL	

11. Create a Not Null constraint to emp_name

Ans:- alter table Emp modify column emp_name varchar(20) not null;

	Field	Туре	Null	Key	Default	Extra
•	e_id	int	NO	PRI	NULL	
	emp_name	varchar(20)	NO		NULL	
	emp_address	varchar(20)	YES		NULL	
	bdate	date	YES		NULL	
	salary	int	YES		NULL	

12. Create a Unique key constraint between two tables.

Ans:- alter table Emp add constraint unique_name unique(emp_name);

		_				
	Field	Type	Null	Key	Default	Extra
•	e_id	int	NO	PRI	NULL	
	emp_name	varchar(20)	NO	UNI	NULL	
	emp_address	varchar(20)	YES		NULL	
	bdate	date	YES		NULL	
	salary	int	YES		NULL	

13. Drop a Unique key constraint between two tables.

Ans:- alter table Emp drop index unique_name;

		_			_	
	Field	Туре	Null	Key	Default	Extra
•	e_id	int	NO	PRI	NULL	
	emp_name	varchar(20)	NO		NULL	
	emp_address	varchar(20)	YES		NULL	
	bdate	date	YES		NULL	
	salary	int	YES		NULL	

14. Rename a table.

Ans:- alter table Emp rename to employee;

19 14:39:05 alter table Emp rename to employee

0 row(s) affected

15. Drop anyone table

Ans:- drop table employee;

20 14:39:48 drop table employee
0 row(s) affected