1. **Create a table emp with attributes empno number(4)as primary key, ename char(10),hiredate, salary, commission**

   insert 5 rows of data

QUERY

CREATE TABLE emp (EMPNO int(4)PRIMARY KEY, ENAME CHAR(10), HIREDATE DATE, SALARY NUMERIC(10,5), COMMISSION NUMERIC(10,5));

INSERT INTO `emp`(`EMPNO`, `ENAME`, `HIREDATE`, `SALARY`, `COMMISSION`) VALUES

('101','Ramesh','1980-01-17','5000',''),

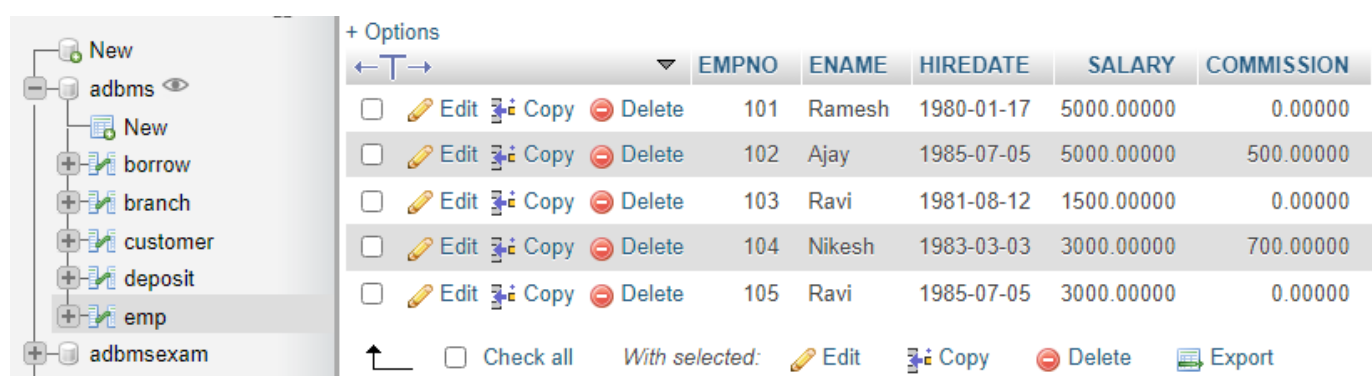('102','Ajay','1985-07-05','5000','500'),

('103','Ravi ','1981-08-12','1500',''),

('104','Nikesh ','1983-03-03','3000','700'),
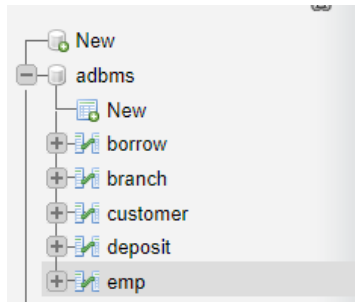
('105','Ravi','1985-07-05','3000','');

OUTPUT

2. Modifying the structure of tables

- **Add new columns: sal number(7,2)**

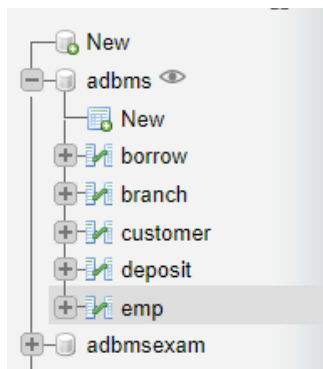### QUERY

ALTER TABLE emp ADD sal numeric(7,2);

OUTPUT

			EMPNO	ENAME	HIREDATE	SALARY	COMMISSION	sal
☐	✏ Edit	⦂ Copy ⊖ Delete	101	Ramesh	1980-01-17	5000.00000	0.00000	NULL
☐	✏ Edit	⦂ Copy ⊖ Delete	102	Ajay	1985-07-05	5000.00000	500.00000	NULL
☐	✏ Edit	⦂ Copy ⊖ Delete	103	Ravi	1981-08-12	1500.00000	0.00000	NULL
☐	✏ Edit	⦂ Copy ⊖ Delete	104	Nikesh	1983-03-03	3000.00000	700.00000	NULL
☐	✏ Edit	⦂ Copy ⊖ Delete	105	Ravi	1985-07-05	3000.00000	0.00000	NULL

- **Dropping a column from a table: sal**

QUERY

ALTER TABLE emp DROP COLUMN sal;

OUTPUT

			EMPNO	ENAME	HIREDATE	SALARY	COMMISSION
☐	✏ Edit	⦂ Copy ⊖ Delete	101	Ramesh	1980-01-17	5000.00000	0.00000
☐	✏ Edit	⦂ Copy ⊖ Delete	102	Ajay	1985-07-05	5000.00000	500.00000
☐	✏ Edit	⦂ Copy ⊖ Delete	103	Ravi	1981-08-12	1500.00000	0.00000
☐	✏ Edit	⦂ Copy ⊖ Delete	104	Nikesh	1983-03-03	3000.00000	700.00000
☐	✏ Edit	⦂ Copy ⊖ Delete	105	Ravi	1985-07-05	3000.00000	0.00000

↑___ ☐ Check all   With selected: ✏ Edit   ⦂ Copy   ⊖ Delete   Export

- **Modifying existing column :ename varchar2(15)**

QUERY

ALTER TABLE emp MODIFY ename VARCHAR(15);

OUTPUT
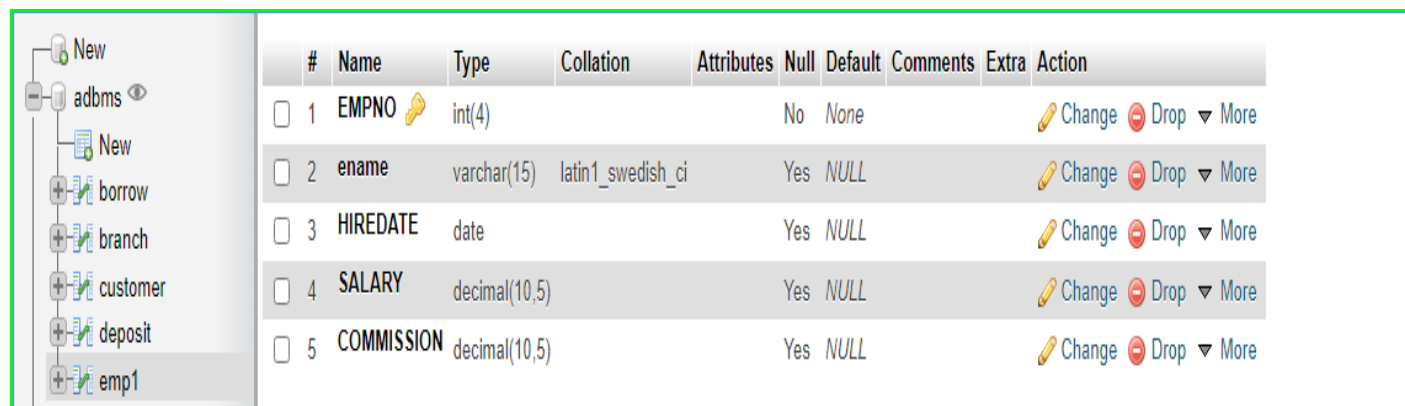
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐ 1	EMPNO 🔑	int(4)			No	None			✏ Change ⊖ Drop ▽ More
☐ 2	ename	varchar(15)	latin1_swedish_ci		Yes	NULL			✏ Change ⊖ Drop ▽ More
☐ 3	HIREDATE	date			Yes	NULL			✏ Change ⊖ Drop ▽ More
☐ 4	SALARY	decimal(10,5)			Yes	NULL			✏ Change ⊖ Drop ▽ More
☐ 5	COMMISSION	decimal(10,5)			Yes	NULL			✏ Change ⊖ Drop ▽ More

- **Renaming the tables: emp to emp1**

QUERY

RENAME TABLE emp TO emp1;

OUTPUT
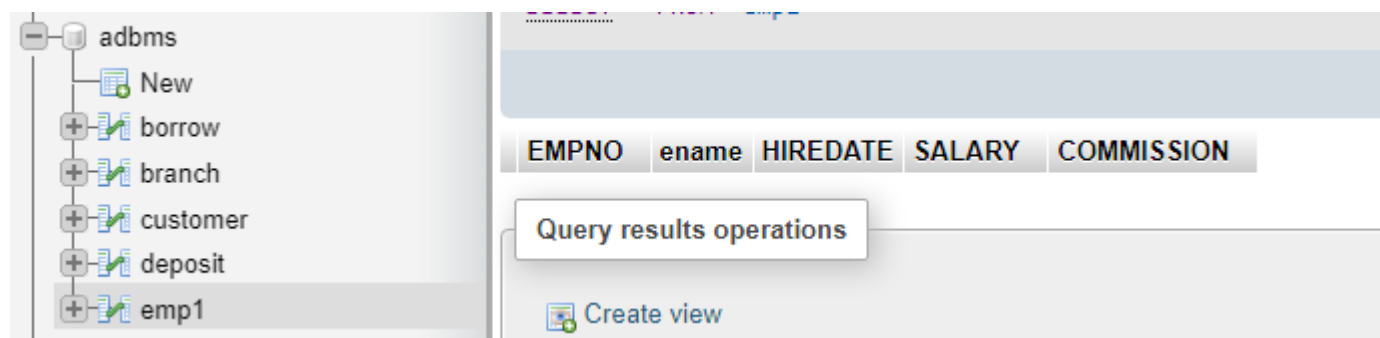
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
☐	1	EMPNO 🔑	int(4)			No	None			🖊 Change ⊖ Drop ▽ More
☐	2	ename	varchar(15)	latin1_swedish_ci		Yes	NULL			🖊 Change ⊖ Drop ▽ More
☐	3	HIREDATE	date			Yes	NULL			🖊 Change ⊖ Drop ▽ More
☐	4	SALARY	decimal(10,5)			Yes	NULL			🖊 Change ⊖ Drop ▽ More
☐	5	COMMISSION	decimal(10,5)			Yes	NULL			🖊 Change ⊖ Drop ▽ More

- **Truncating the tables:emp1**

QUERY

TRUNCATE TABLE emp1;

OUTPUT
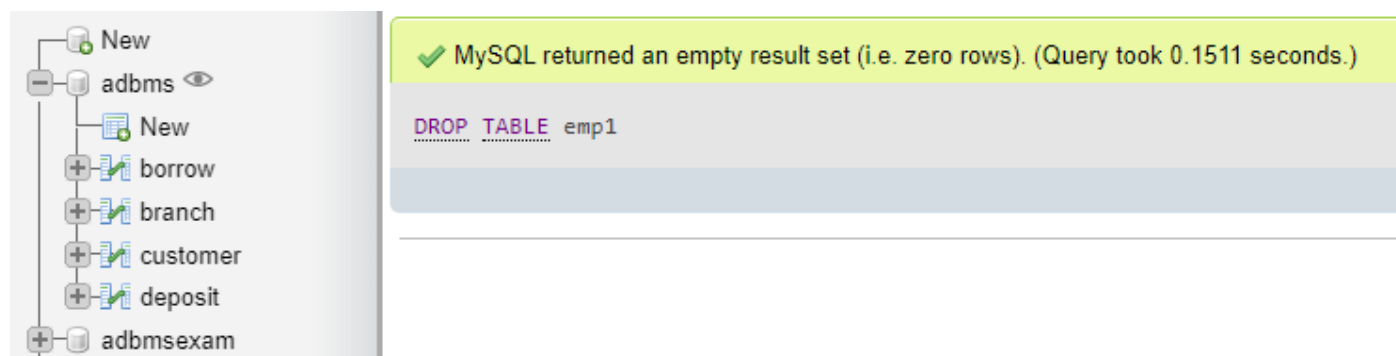
- **Destroying tables:emp**

QUERY

DROP TABLE emp1;

OUTPUT