SQL Practical Assignment 1

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Division: A

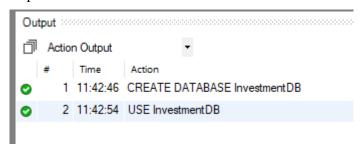
Question: 1. Create a database and two tables in it.

Query:

CREATE DATABASE InvestmentDB;

USE InvestmentDB;

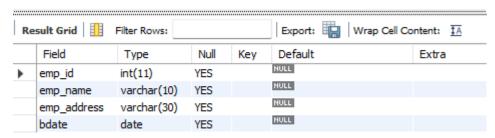
Output:



Query:

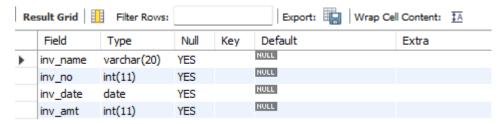
```
CREATE TABLE Emp(
emp_id INT,
emp_name VARCHAR(10),
emp_address VARCHAR(30),
bdate DATE
);
DESC Emp;
```

Output:



Query:

Output:

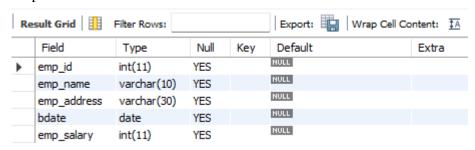


Question: 2. Add a Column 'Salary' in to an Emp table.

Query:

ALTER TABLE Emp ADD emp_salary INT; DESC Emp;

Output:

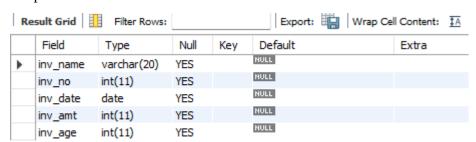


Question: 3. Add a column 'Age' in to an investor table.

Query:

ALTER TABLE Investor ADD inv_age INT; DESC Investor;

Output:



Question: 4. Change the datatype of inv_no from int to big int in Investor table Query:

ALTER TABLE Investor MODIFY COLUMN inv_no BIGINT; DESC Investor;

Output:

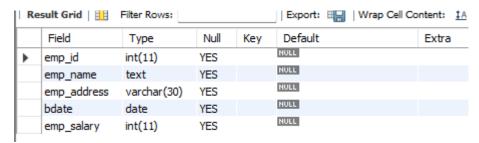


Question: 5. Change the data type of any one column in an existing table.

Query:

ALTER TABLE Emp MODIFY COLUMN emp_name TEXT; DESC Emp;

Output:

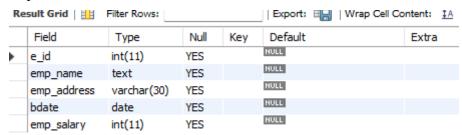


Question: 6. Change the name of column/field Emp_id to E_id.

Query:

ALTER TABLE Emp CHANGE emp_id e_id INT; DESC Emp;

Output:

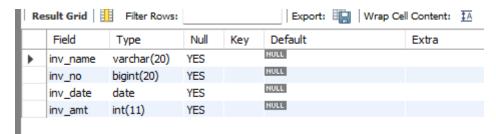


Question: 7. Drop a column 'Age' from an Investor table.

Query:

ALTER TABLE Investor DROP COLUMN inv_age; DESC Investor;

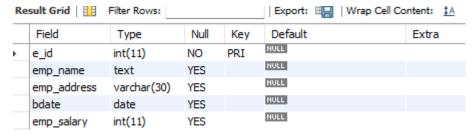
Output:



Question: 8. Create a Primary key constraint between two tables. Query:

ALTER TABLE Emp ADD PRIMARY KEY (e_id); DESC Emp;

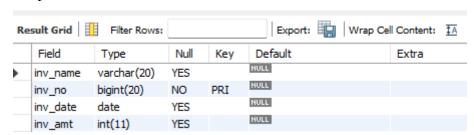
Output:



Query:

ALTER TABLE Investor ADD PRIMARY KEY (inv_no); DESC Investor;

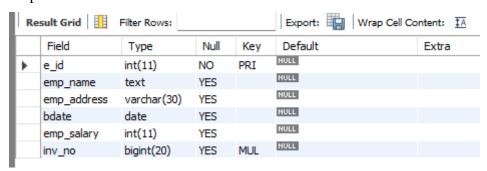
Output:



Question: 9. Create a foreign key constraint between two tables. Query:

ALTER TABLE Emp ADD COLUMN inv_no BIGINT; ALTER TABLE Emp ADD FOREIGN KEY (inv_no) REFERENCES Investor(inv_no); DESC Emp;

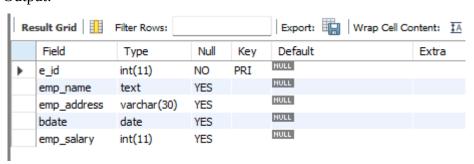
Output:



Question: 10. Drop a foreign key constraint between two tables. Query:

ALTER TABLE Emp DROP FOREIGN KEY emp_ibfk_1; ALTER TABLE Emp DROP COLUMN inv_no; DESC Emp;

Output:

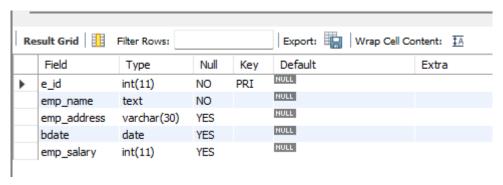


Question: 11. Create a Not Null constraint to emp_name and Check constraint to age into an Emp table.

Query:

ALTER TABLE Emp MODIFY emp_name TEXT NOT NULL; DESC Emp;

Output:



Query:

ALTER TABLE Emp ADD COLUMN emp_age INT; ALTER TABLE Emp ADD CONSTRAINT CHECK(emp_age > 18); SHOW CREATE TABLE Emp;

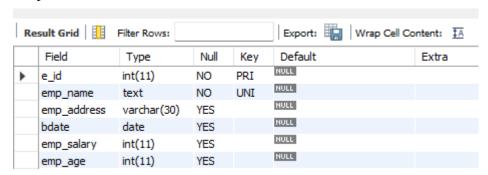
Output:

LL, `emp_age`int(11) DEFAULT NULL, PRIMARY KEY (`e_id`), CONSTRAINT `CONSTRAINT_1` CHECK (`emp_age` > 18)) ENGIN..

Question: 12. Create a Unique key constraint between two tables. Query:

ALTER TABLE Emp ADD CONSTRAINT UNIQUE(emp_name); DESC Emp;

Output:



Query:

ALTER TABLE Investor ADD CONSTRAINT UNIQUE(inv_name); DESC Investor;



| Result Grid Filter Rows: Export: Export: Wrap Cell Content: 1 | | | | | | |
|---------------------------------------------------------------------|----------|-------------|------|-----|---------|-------|
| | Field | Туре | Null | Key | Default | Extra |
| • | inv_name | varchar(20) | YES | UNI | HULL | |
| | inv_no | bigint(20) | NO | PRI | NULL | |
| | inv_date | date | YES | | HULL | |
| | inv_amt | int(11) | YES | | HULL | |

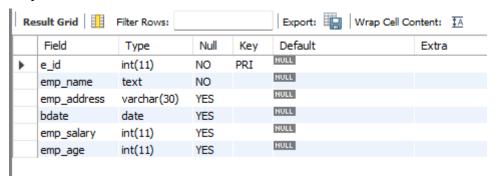
Question: 13. Drop a Unique key constraint between two tables.

Query:

ALTER TABLE Emp DROP INDEX emp_name;

DESC Emp;

Output:



Question: 14. Rename a table.

Query:

RENAME TABLE Emp TO Employee;

DESC Employee;

Output:

70 12:55:07 RENAME TABLE Emp TO Employee
 71 12:55:09 DESC Employee

Question: 15. Drop anyone a table.

Query:

DROP TABLE Employee;

DESC Employee;

Output:

