Data & Information Management

7.1P: DDL and other DML Statements

Task 01

As your answer to this question, please include (i) your SQL statement to create the EMPLOYEE table, and (ii) a screenshot of the result of the following SQL statement DESC EMPLOYEE;

```
CREATE TABLE EMPLOYEE (

EMP_NUM INT NOT NULL,

EMP_TITLE VARCHAR(5),

EMP_LNAME VARCHAR(25),

EMP_FNAME VARCHAR(25),

EMP_INITIAL CHAR(1),

EMP_DOB DATE,

EMP_HIRE_DATE DATE,

EMP_AREACODE CHAR(3) DEFAULT '001',

EMP_PHONE VARCHAR(8),

EMP_MGR INT,

PRIMARY KEY (EMP_NUM)

);
```

Your SQL query has been executed successfully.

DESC EMPLOYEE;

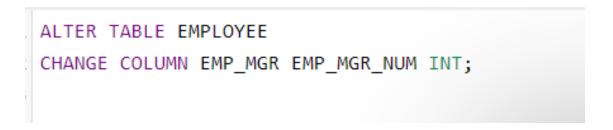
[Edit inline] [Edit] [Create PHP code]

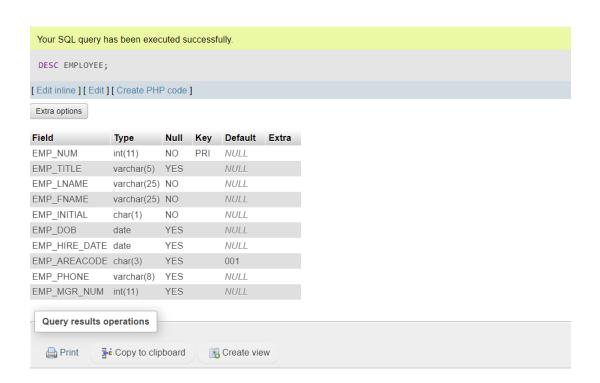
Extra options

Field	Туре	Null	Key	Default	Extra
EMP_NUM	int(11)	NO	PRI	NULL	
EMP_TITLE	varchar(5)	YES		NULL	
EMP_LNAME	varchar(25)	NO		NULL	
EMP_FNAME	varchar(25)	NO		NULL	
EMP_INITIAL	char(1)	NO		NULL	
EMP_DOB	date	YES		NULL	
EMP_HIRE_DATE	date	YES		NULL	
EMP_AREACODE	char(3)	YES		001	
EMP_PHONE	varchar(8)	YES		NULL	
EMP_MGR	int(11)	YES		NULL	

As your answer to this question, please include

- (i) your SQL statement to alter the EMPLOYEE table, and
- (ii) a screenshot of the result of the following SQL statement: DESC EMPLOYEE;





As your answer to this question, please include

- (i) your SQL statement to add the FOREIGN CONSTRAINT, and
- (ii) a screenshot of the result of the following SQL statement: elect COLUMN_NAME, CONSTRAINT_NAME, REFERENCED_COLUMN_NAME, REFERENCED_TABLE_NAME from information_schema.KEY_COLUMN_USAGE where TABLE_NAME = 'EMPLOYEE';

ALTER TABLE EMPLOYEE

ADD CONSTRAINT fk_emp_mgr

FOREIGN KEY (EMP_MGR_NUM) REFERENCES EMPLOYEE(EMP_NUM);



As your answer to this question, please include

- (i) your SQL statements to insert the above records in the EMPLOYEE table, and
- (ii) a screenshot of the result of the following SQL statement: SELECT * FROM EMPLOYEE;

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (100,'Mr.','Kolmycz','George','D', '1942-06-15','1985-03-15','615','324-5456', NULL);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (101,'Ms.','Lewis','Rhonda','G','1965-03-19','1986-04-25','615','324-4472', 100);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES(102,'Mr.','Vandam','Rhett','NULL','1958-11-14','1990-12-20','901','675-8993',100);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (103,'Ms.','Jones','Anne','M','1974-10-16','1994-08-28','615','898-3456',100);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (104,'Mr.','Lange','John','P','1971-11-08','1994-10-20','901','504-4430', NULL);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (105,'Mr.','Williams','Robert','D','1957-03-14','1998-11-08','615','890-3220', NULL);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (106,'Mrs.','Smith','Jeanine','K','1968-02-12','1989-01-05','615','324-7883', 105);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (107,'Mr.','Deiante','Jorge','D','1974-08-21','1994-07-02','615','890-4567', 105);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (108, 'Mr.', 'Wiesenbach', 'Paul', 'R', '1966-02-14', '1992-11-18', '615', '897-4358', NULL);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (109, 'Mr.', 'Smith', 'George', 'K', '1961-06-18', '1989-04-14', '901', '504-3339', 108);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (110, 'Mrs.','Genkazi','Leighla','W','1970-05-19','1990-12-01','901','569-0093',108);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (111, 'Mr.', 'Washington', 'Rupert', 'E', '1966-01-03', '1993-06-21', '615', '890-4925', 105);

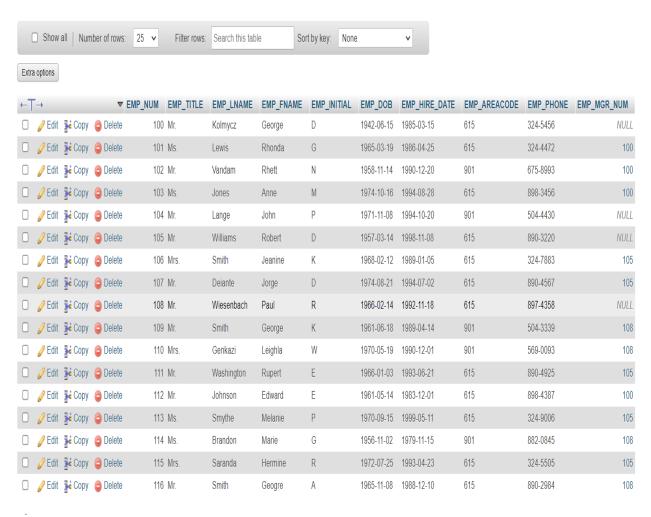
INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (112, 'Mr.','Johnson','Edward','E','1961-05-14','1983-12-01','615','898-4387', 100);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (113, 'Ms.','Smythe','Melanie','P','1970-09-15','1999-05-11','615','324-9006', 105);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (114, 'Ms.','Brandon','Marie','G','1956-11-02','1979-11-15','901','882-0845', 108);

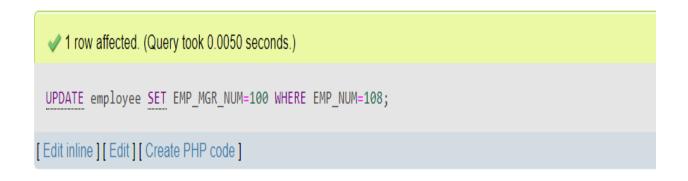
INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (115, 'Mrs.', 'Saranda', 'Hermine', 'R', '1972-07-25', '1993-04-23', '615', '324-5505', 105);

INSERT INTO EMPLOYEE (EMP_NUM, EMP_TITLE, EMP_LNAME, EMP_FNAME, EMP_INITIAL, EMP_DOB, EMP_HIRE_DATE, EMP_AREACODE, EMP_PHONE, EMP_MGR_NUM) VALUES (116, 'Mr.', 'Smith', 'Geogre', 'A', '1965-11-08', '1988-12-10', '615', '890-2984', 108);



Write an SQL statement to set the manager of Paul Wiesenbach (EMP_NUM = 108) as George Kolmycz (EMP_NUM = 100). As your answer to this question, please include

- (i) your SQL statement to update the manager num, and
- (ii) a screenshot of the result of the following SQL statement:





Write an SQL statement to delete records of all employees managed by Paul Wiesenbach (EMP_NUM = 108). As your answer to this question, please include

- (i) your SQL statement to delete records, and
- (ii) a screenshot of the result of the following SQL statement:



