

Q1

```
21 CREATE TABLE EMPLOYEE (  
22     EMP_NUM INTEGER PRIMARY KEY,  
23     EMP_TITLE VARCHAR(5),  
24     EMP_LNAME VARCHAR(25) NOT NULL,  
25     EMP_FNAME VARCHAR(25) NOT NULL,  
26     EMP_INITIAL VARCHAR(1) NOT NULL,  
27     EMP_DOE DATE,  
28     EMP_HIRE_DATE DATE,  
29     EMP_AREACODE CHAR(3) DEFAULT '001',  
30     EMP_PHONE CHAR(8),  
31     EMP_MGR INTEGER  
32 );  
33  
34 DESC EMPLOYEE;  
35  
36 /*(2 Write an SQL statement to change the column nar  
37 As your answer to this question, please include (i)  
38 Page 2 of 3
```

Result Grid

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

Result 1 x

Q2

task0.1 Query 1 data tables SQL File 7 Task0_1P-Sales SQL

Limit to 2000 rows

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25     EMP_FNAME VARCHAR(25) NOT NULL,
26     EMP_INITTAL VARCHAR(1) NOT NULL,
27     EMP_DOE DATE,
28     EMP_HIRE_DATE DATE,
29     EMP_AREACODE CHAR(3) DEFAULT '001',
30     EMP_PHONE CHAR(8),
31     EMP_MGR INTEGER
32 );
33
34 • DESC EMPLOYEE;
35
36 /*(2 Write an SQL statement to change the column name 'EMP_MGR' to
37 As your answer to this question, please include (i) your SQL stat
38 Page 2 of 3
39 (ii) a screenshot of the result of the following SQL statement:
40 DESC EMPLOYEE; */
41
42 • ALTER TABLE EMPLOYEE RENAME COLUMN EMP_MGR TO EMP_MGR_NUM;
43
44 • DESC EMPLOYEE;
45
46 /*(3 Write an SQL statement to ADD FOREIGN KEY CONSTRAINT to EMP_
47 As your answer to this question, please include (i) your SQL stat

```

Result Grid

Filter Rows: Export: Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	EMP_NUM	int	NO	PRI	NULL	
	EMP_TITLE	varchar(5)	YES		NULL	
	EMP_LNAME	varchar(25)	NO		NULL	
	EMP_FNAME	varchar(25)	NO		NULL	
	EMP_INITTAL	varchar(1)	NO		NULL	
	EMP_DOE	date	YES		NULL	
	EMP_HIRE_DATE	date	YES		NULL	
	EMP_AREACODE	char(3)	YES		001	
	EMP_PHONE	char(8)	YES		NULL	
	EMP_MGR_NUM	int	YES		NULL	

Q3

```

40  DESC EMPLOYEE; */
41
42  • ALTER TABLE EMPLOYEE RENAME COLUMN EMP_MGR TO EMP_MGR_NUM;
43
44  • DESC EMPLOYEE;
45
46  /*(3 Write an SQL statement to ADD FOREIGN KEY CONSTRAINT to EMP_MGR_NUM to refer
47  As your answer to this question, please include (i) your SQL statement to add the
48  select COLUMN_NAME, CONSTRAINT_NAME, REFERENCED_COLUMN_NAME, REFERENCED_TABLE_NAME
49  Note that the above SQL gives the constraints associated with the EMPLOYEE table.
50
51  • ALTER TABLE EMPLOYEE ADD CONSTRAINT FOREIGN KEY (EMP_MGR_NUM)
52  REFERENCES EMPLOYEE (EMP_NUM);
53
54  • select COLUMN_NAME, CONSTRAINT_NAME, REFERENCED_COLUMN_NAME,
55  REFERENCED_TABLE_NAME from information_schema.KEY_COLUMN_USAGE
56  where TABLE_NAME = 'EMPLOYEE';
57
58  /* (4 Write SQL statements to insert the following records in the EMPLOYEE TABLE.
59  As your answer to this question, please include (i) your SQL statements to insert
60  SELECT * FROM EMPLOYEE; */
61
62  • INSERT INTO EMPLOYEE VALUES ( 100, 'Mr.', 'Kolmvyz', 'George', 'D', '15-JUN-1942',

```

Result Grid				
Filter Rows: <input type="text"/>				
Export: <input type="button" value=""/>				
Wrap Cell Content: <input type="checkbox"/>				
COLUMN_NAME	CONSTRAINT_NAME	REFERENCED_COLUMN_NAME	REFERENCED_TABLE_NAME	
EMP_NUM	PRIMARY	NULL	NULL	

Query 1 data tables SQL File 0

Limit to 2000 rows

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35 insert INTO EMPLOYEE values (101,'MR','Lewis','Rhonda','G','1965-3-19','1986-4-25','615','324-4472',100);
36 insert INTO EMPLOYEE values (102,'MR','Vandam','Rhett',null,'1958-11-14','1990-12-20','901','675-8993',100);
37 insert INTO EMPLOYEE values (103,'MS','Jones','Anne','M','1974-10-16','1994-08-28','615','898-3456',100);
38 insert INTO EMPLOYEE values (104,'MR','Lange','John','P','1971-11-08','1994-10-20','901','504-4430',105);
39 insert INTO EMPLOYEE values (105,'MR','Williams','Robert','D','1975-03-14','1998-11-08','615','890-3320',null);
40 insert INTO EMPLOYEE values (106,'MS','Smith','Jeanine','K','1968-02-12','1989-01-05','615','324-7883',105);
41 insert INTO EMPLOYEE values (107,'MR','Dante','Jorge','D','1974-08-21','1994-07-02','615','890-4567',105);
42 insert INTO EMPLOYEE values (108,'MR','Wiesenbach','Paul','R','1966-02-14','1992-11-18','615','897-4358',null);
43 insert INTO EMPLOYEE values (109,'MR','Smith','Geroge','K','1961-06-18','1989-04-14','901','504-3339',108);
44 insert INTO EMPLOYEE values (110,'MS','Genkazi','Leighla','W','1970-05-19','1990-12-01','901','569-0093',108);
45 insert INTO EMPLOYEE values (111,'MR','Washington','Rupert','E','1966-01-03','1993-06-21','615','890-4925',105);
46 insert INTO EMPLOYEE values (112,'MR','Johnson','Edward','E','1961-05-14','1983-12-01','615','898-4387',100);
47 insert INTO EMPLOYEE values (113,'MS','Smyhe','Melanie','P','1970-09-15','1999-05-11','615','324-9006',105);
48 insert INTO EMPLOYEE values (114,'MS','Brandon','Marie','G','1956-11-02','1979-11-15','901','882-0845',108);
49 insert INTO EMPLOYEE values (115,'MS','Saranda','Hermine','R','1972-04-23','1993-04-23','615','324-5505',105);
50 insert INTO EMPLOYEE values (116,'MR','Smith','Geroge','A','1965-12-10','1988-12-10','615','890-2984',108);

```

Result Grid

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_INITIAL	EMP_DOE	EMP_HIRE_DATE	EMP_AREACODE	EMP_PHONE	EMP_MGR_NUM
100	MR	Kolmycz	Geroge	D	1942-06-15	1985-03-15	615	324-5456	NULL
101	MRS	Lewis	Rhonda	G	1965-03-19	1986-04-25	615	324-4472	100
103	MRS	Jones	Anne	M	1974-10-16	1994-08-28	615	898-3456	100
104	MR	Lange	John	P	1971-11-08	1994-10-20	901	504-4430	105
105	MR	Williams	Robert	D	1975-03-14	1998-11-08	615	890-3320	NULL
106	MRS	Smith	Jeanine	K	1968-02-12	1989-01-05	615	324-7883	105
107	MR	Dante	Jorge	D	1974-08-21	1994-07-02	615	890-4567	105
108	MR	Wiesenbach	Paul	R	1966-02-14	1992-11-18	615	897-4358	NULL
109	MR	Smith	Geroge	K	1961-06-18	1989-04-14	901	504-3339	108
110	MRS	Genkazi	Leighla	W	1970-05-19	1990-12-01	901	569-0093	108
111	MR	Washington	Rupert	E	1966-01-03	1993-06-21	615	890-4925	105
112	MR	Johnson	Edward	E	1961-05-14	1983-12-01	615	898-4387	100
113	MS	Smyhe	Melanie	P	1970-09-15	1999-05-11	615	324-9006	105
114	MS	Brandon	Marie	G	1956-11-02	1979-11-15	901	882-0845	108
115	MRS	Saranda	Hermine	R	1972-04-23	1993-04-23	615	324-5505	105
116	MR	Smith	Geroge	A	1965-12-10	1988-12-10	615	890-2984	108

EMPLOYEE 5

Q5

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55 /*Q5*/
56 • update EMPLOYEE SET EMP_MGR_NUM = 100 where EMP_NUM =108;
57 • SELECT *FROM EMPLOYEE WHERE EMP_NUM=108;
58
59
60
61

```

Result Grid

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_INITIAL	EMP_DOE	EMP_HIRE_DATE	EMP_AREACODE	EMP_PHONE	EMP_MGR_NUM
108	MR	Wiesenbach	Paul	R	1966-02-14	1992-11-18	615	897-4358	100
1	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Q6

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61 /*Q6*/
62 • DELETE FROM EMPLOYEE WHERE EMP_MGR_NUM =108;
63
64 • SELECT *
65 FROM EMPLOYEE ;
66
67

```

Result Grid

EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_INITIAL	EMP_DOE	EMP_HIRE_DATE	EMP_AREACODE	EMP_PHONE	EMP_MGR_NUM
100	MR	Kolmycz	Geroge	D	1942-06-15	1985-03-15	615	324-5456	NULL
101	MRS	Lewis	Rhonda	G	1965-03-19	1986-04-25	615	324-4472	100
103	MRS	Jones	Anne	M	1974-10-16	1994-08-28	615	898-3456	100
104	MR	Lange	John	P	1971-11-08	1994-10-20	901	504-4430	105
105	MR	Williams	Robert	D	1975-03-14	1998-11-08	615	890-3320	NULL
106	MRS	Smith	Jeanine	K	1968-02-12	1989-01-05	615	324-7883	105
107	MR	Dante	Jorge	D	1974-08-21	1994-07-02	615	890-4567	105
108	MR	Wiesenbach	Paul	R	1966-02-14	1992-11-18	615	897-4358	100
109	MR	Smith	Geroge	K	1961-06-18	1989-04-14	901	504-3339	108
110	MRS	Genkazi	Leighla	W	1970-05-19	1990-12-01	901	569-0093	108
111	MR	Washington	Rupert	E	1966-01-03	1993-06-21	615	890-4925	105
112	MR	Johnson	Edward	E	1961-05-14	1983-12-01	615	898-4387	100
113	MS	Smyhe	Melanie	P	1970-09-15	1999-05-11	615	324-9006	105
114	MS	Brandon	Marie	G	1956-11-02	1979-11-15	901	882-0845	108
115	MRS	Saranda	Hermine	R	1972-04-23	1993-04-23	615	324-5505	105
116	MR	Smith	Geroge	A	1965-12-10	1988-12-10	615	890-2984	108

EMPLOYEE 4