

Mukesh SA
CB.EN.U4CYS21046
DATABASE MANAGEMENT SYSTEM

LAB 1

2)

A)

SQL Worksheet

```
1 CREATE TABLE ORDERS(  
2     ORDER_ID NUMBER(6),  
3     CUSTOMER_ID NUMBER(10),  
4     STATUS VARCHAR(20),  
5     SALESMAN_ID VARCHAR(20),  
6     ORDER_DATE DATE,  
7     CONSTRAINT orders_pk PRIMARY KEY (ORDER_ID)  
8 );
```

Table created.

B)

```
INSERT INTO ORDERS VALUES (100, 1303, 'Delivered' ,48921,'14-DEC-2022');  
INSERT INTO ORDERS VALUES (101, 1622, 'Not Delivered' ,19283,'28-SEP2022');  
INSERT INTO ORDERS VALUES (102, 1809, 'Order Placed' ,49230,'19-JUN2022');  
INSERT INTO ORDERS VALUES (103, 1507, 'Delivered' ,10934,'14-JUL-2022');  
INSERT INTO ORDERS VALUES (104, 1909, 'Order in track' ,32893,'14-OCT2022');
```

```

INSERT INTO ORDERS VALUES (105, 1701, 'Not Delivered' ,78942,'13-JAN2022');
INSERT INTO ORDERS VALUES (106, 1806, 'Order not yet received' ,43425,'21- NOV-2022');
INSERT INTO ORDERS VALUES (107, 1709, 'Not Delivered' ,94273,'28-FEB2022');
INSERT INTO ORDERS VALUES (108, 1206, 'Delivered' ,82390,'19-APR-2022');
INSERT INTO ORDERS VALUES (109, 1909, 'Not Delivered' ,18533,'16-MAY2022');

```

ORDER_ID	CUSTOMER_ID	STATUS	SALESMAN_ID	ORDER_DATE
100	1303	Delivered	43425	14-DEC-22
101	1622	Not Delivered	19283	28-SEP-22
102	1809	Order Placed	49230	19-JUN-22
103	1507	Delivered	10934	14-JUL-22
104	1909	Order in track	32893	14-OCT-22
105	1701	Not Delivered	78942	13-JAN-22
106	1806	Order not yet received	43425	21-NOV-22
107	1709	Not Delivered	94273	28-FEB-22
108	1206	Delivered	82390	19-APR-22
109	1909	Not Delivered	18533	16-MAY-22

[Download CSV](#)

10 rows selected.

C)

```
ALTER TABLE ORDERS
```

```
ADD SALESMAN_AGE int;
```

```
UPDATE ORDERS SET SALESMAN_AGE=10 WHERE ORDER_ID=100;
```

```
UPDATE ORDERS SET SALESMAN_AGE=17 WHERE ORDER_ID=101;
```

```
UPDATE ORDERS SET SALESMAN_AGE=19 WHERE ORDER_ID=102;
```

```
UPDATE ORDERS SET SALESMAN_AGE=15 WHERE ORDER_ID=103;
```

```
UPDATE ORDERS SET SALESMAN_AGE=23 WHERE ORDER_ID=104;
```

```
UPDATE ORDERS SET SALESMAN_AGE=29 WHERE ORDER_ID=105;
```

```
UPDATE ORDERS SET SALESMAN_AGE=34 WHERE ORDER_ID=106;
```

```
UPDATE ORDERS SET SALESMAN_AGE=23 WHERE ORDER_ID=107;
```

UPDATE ORDERS SET SALESMAN_AGE=28 WHERE ORDER_ID=108;

UPDATE ORDERS SET SALESMAN_AGE=29 WHERE ORDER_ID=109;

ORDER_ID	CUSTOMER_ID	STATUS	SALESMAN_ID	ORDER_DATE	SALESMAN_AGE
100	1303	Delivered	43425	14-DEC-22	10
101	1622	Not Delivered	19283	28-SEP-22	17
102	1809	Order Placed	49230	19-JUN-22	19
103	1507	Delivered	10934	14-JUL-22	15
104	1909	Order in track	32893	14-OCT-22	23
105	1701	Not Delivered	78942	13-JAN-22	29
106	1806	Order not yet received	43425	21-NOV-22	34
107	1709	Not Delivered	94273	28-FEB-22	23
108	1206	Delivered	82390	19-APR-22	28
109	1909	Not Delivered	18533	16-MAY-22	29

[Download CSV](#)

10 rows selected.

ALTER TABLE ORDERS drop column SALESMAN_ID; select * from ORDERS;

ORDER_ID	CUSTOMER_ID	STATUS	ORDER_DATE	SALESMAN_AGE
100	1303	Delivered	14-DEC-22	10
101	1622	Not Delivered	28-SEP-22	17
102	1809	Order Placed	19-JUN-22	19
103	1507	Delivered	14-JUL-22	15
104	1909	Order in track	14-OCT-22	23
105	1701	Not Delivered	13-JAN-22	29
106	1806	Order not yet received	21-NOV-22	34
107	1709	Not Delivered	28-FEB-22	23
108	1206	Delivered	19-APR-22	28
109	1909	Not Delivered	16-MAY-22	29

[Download CSV](#)

10 rows selected.

DELETE ORDERS;

10 row(s) deleted.

```
TRUNCATE TABLE ORDERS;
```

Table truncated.

3)

A)

```
CREATE TABLE CUSTOMERS(  
CUSTOMER_ID INT,  
CUSTOMER_NAME VARCHAR(50),  
ADDRESS VARCHAR(150),  
WEBSITE VARCHAR(50),  
CREDIT_LIMIT INT,  
CONSTRAINT customers_pk PRIMARY KEY (CUSTOMER_ID)  
);
```

SQL Worksheet

```
1 CREATE TABLE CUSTOMERS(  
2     CUSTOMER_ID INT,  
3     CUSTOMER_NAME VARCHAR(50),  
4     ADDRESS VARCHAR(150),  
5     WEBSITE VARCHAR(50),  
6     CREDIT_LIMIT INT,  
7     CONSTRAINT customers_pk PRIMARY KEY (CUSTOMER_ID)  
8 );|
```

Table created.

B)

SQL Worksheet

```
3 INSERT INTO CUSTOMERS
4 VALUES (10,'ONEAL','ABERDEENN','MIKESS@GMAIL.COM',10000);
5
6 INSERT INTO CUSTOMERS
7 VALUES (2,'SHAQ','EDINBURGH','SHAQ@GMAIL.COM',2000);
8
9 INSERT INTO CUSTOMERS
10 VALUES (3,'LEBRON','GLASGOW','LEBRON@GMAIL.COM',3000);
11
12 INSERT INTO CUSTOMERS
13 VALUES (4,'JAMES','DUNDEE','JAMES@GMAIL.COM',4000);
14
15 INSERT INTO CUSTOMERS
16 VALUES (5,'DAVIS','MANCHESTER','DAVIS@GMAIL.COM',5000);
17
18 INSERT INTO CUSTOMERS
19 VALUES (6,'ANTONY','LONDON','ANTONY@GMAIL.COM',6000);
20
21 INSERT INTO CUSTOMERS
22 VALUES (7,'HARRY','KINGSTON','HARRY@GMAIL.COM',7000);
23
```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

INSERT INTO CUSTOMERS

VALUES (10,'ONEAL','ABERDEENN','MIKESS@GMAIL.COM',10000);

INSERT INTO CUSTOMERS

VALUES (2,'SHAQ','EDINBURGH','SHAQ@GMAIL.COM',2000);

INSERT INTO CUSTOMERS

VALUES (3,'LEBRON','GLASGOW','LEBRON@GMAIL.COM',3000);

INSERT INTO CUSTOMERS

VALUES (4,'JAMES','DUNDEE','JAMES@GMAIL.COM',4000);

INSERT INTO CUSTOMERS

VALUES (5,'DAVIS','MANCHESTER','DAVIS@GMAIL.COM',5000);

INSERT INTO CUSTOMERS

VALUES (6,'ANTONY','LONDON','ANTONY@GMAIL.COM',6000);

INSERT INTO CUSTOMERS

VALUES (7,'HARRY','KINGSTON','HARRY@GMAIL.COM',7000);

INSERT INTO CUSTOMERS

VALUES (8,'KRISH','SWANSEA','KRISH@GMAIL.COM',8000);

INSERT INTO CUSTOMERS

VALUES (9,'DHRUV','BELFAST','DHRUV@GMAIL.COM',9000);

CUSTOMER_ID	CUSTOMER_NAME	ADDRESS	WEBSITE	CREDIT_LIMIT
1	MIKES	ABERDEEN	MIKES@GMAIL.COM	1000
2	SHAQ	EDINBURGH	SHAQ@GMAIL.COM	2000
3	LEBRON	GLASGOW	LEBRON@GMAIL.COM	3000
4	JAMES	DUNDEE	JAMES@GMAIL.COM	4000
5	DAVIS	MANCHESTER	DAVIS@GMAIL.COM	5000
6	ANTONY	LONDON	ANTONY@GMAIL.COM	6000
7	HARRY	KINGSTON	HARRY@GMAIL.COM	7000
8	KRISH	SWANSEA	KRISH@GMAIL.COM	8000
9	DHRUV	BELFAST	DHRUV@GMAIL.COM	9000
10	ONEAL	ABERDEENN	MIKESS@GMAIL.COM	10000

[Download CSV](#)

10 rows selected.

C)

SQL Worksheet

1	ALTER TABLE CUSTOMERS
2	ADD AGE INT;

Table altered.

CUSTOMER_ID	CUSTOMER_NAME	ADDRESS	WEBSITE	CREDIT_LIMIT	AGE
10	ONEAL	ABERDEENN	MIKESS@GMAIL.COM	10000	-
1	MIKES	ABERDEEN	MIKES@GMAIL.COM	1000	-
2	SHAQ	EDINBURGH	SHAQ@GMAIL.COM	2000	-
3	LEBRON	GLASGOW	LEBRON@GMAIL.COM	3000	-
4	JAMES	DUNDEE	JAMES@GMAIL.COM	4000	-
5	DAVIS	MANCHESTER	DAVIS@GMAIL.COM	5000	-
6	ANTONY	LONDON	ANTONY@GMAIL.COM	6000	-
7	HARRY	KINGSTON	HARRY@GMAIL.COM	7000	-
8	KRISH	SWANSEA	KRISH@GMAIL.COM	8000	-
9	DHRUV	BELFAST	DHRUV@GMAIL.COM	9000	-

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10 rows selected.

D)

UPDATE CUSTOMERS

SET AGE = 19 WHERE CUSTOMER_ID = 10;

UPDATE CUSTOMERS

SET AGE = 29 WHERE CUSTOMER_ID = 9;

UPDATE CUSTOMERS

SET AGE = 23 WHERE CUSTOMER_ID = 8;

UPDATE CUSTOMERS

SET AGE = 26 WHERE CUSTOMER_ID = 7;

UPDATE CUSTOMERS

SET AGE = 32 WHERE CUSTOMER_ID = 6;

UPDATE CUSTOMERS

SET AGE = 40 WHERE CUSTOMER_ID = 5;

UPDATE CUSTOMERS

SET AGE = 37 WHERE CUSTOMER_ID = 4;

UPDATE CUSTOMERS

SET AGE = 42 WHERE CUSTOMER_ID = 3;

UPDATE CUSTOMERS

SET AGE = 48 WHERE CUSTOMER_ID = 2;

SQL Worksheet

```
1 UPDATE CUSTOMERS
2 SET AGE = 19 WHERE CUSTOMER_ID = 10;
3
4 UPDATE CUSTOMERS
5 SET AGE = 29 WHERE CUSTOMER_ID = 9;
6
7 UPDATE CUSTOMERS
8 SET AGE = 23 WHERE CUSTOMER_ID = 8;
9
10 UPDATE CUSTOMERS
11 SET AGE = 26 WHERE CUSTOMER_ID = 7;
12
13 UPDATE CUSTOMERS|
14 SET AGE = 32 WHERE CUSTOMER_ID = 6;
15
16 UPDATE CUSTOMERS
17 SET AGE = 40 WHERE CUSTOMER_ID = 5;
18
19 UPDATE CUSTOMERS
```

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

E)

ALTER TABLE CUSTOMERS

DROP COLUMN AGE;

SELECT * FROM CUSTOMERS;

SQL Worksheet

```
1 ALTER TABLE CUSTOMERS
2 DROP COLUMN AGE;
3
4 SELECT * FROM CUSTOMERS;
```

Table altered.

CUSTOMER_ID	CUSTOMER_NAME	ADDRESS	WEBSITE	CREDIT_LIMIT
10	ONEAL	ABERDEENN	MIKESS@GMAIL.COM	10000
1	MIKES	ABERDEEN	MIKES@GMAIL.COM	1000
2	SHAQ	EDINBURGH	SHAQ@GMAIL.COM	2000
3	LEBRON	GLASGOW	LEBRON@GMAIL.COM	3000
4	JAMES	DUNDEE	JAMES@GMAIL.COM	4000
5	DAVIS	MANCHESTER	DAVIS@GMAIL.COM	5000
6	ANTONY	LONDON	ANTONY@GMAIL.COM	6000
7	HARRY	KINGSTON	HARRY@GMAIL.COM	7000
8	KRISH	SWANSEA	KRISH@GMAIL.COM	8000
9	DHRUV	BELFAST	DHRUV@GMAIL.COM	9000

[Download CSV](#)

10 rows selected.

SQL Worksheet

```
1 DELETE CUSTOMERS;
2 TRUNCATE TABLE CUSTOMERS;
```

10 row(s) deleted.

Table truncated.

4)

A)

SQL Worksheet

```
1 CREATE TABLE EMPLOYEES(  
2   EMPLOYEE_ID number(7),  
3   FIRST_NAME varchar(30),  
4   LAST_NAME varchar(30),  
5   EMAIL varchar(40),  
6   PHONE number(15),  
7   HIRE_DATE date,  
8   MANAGER_ID number(10),  
9   JOB_TITLE varchar(50),  
10  CONSTRAINT employees_pk PRIMARY KEY (EMPLOYEE_ID)  
11 );
```

Table created.

B)

INSERT INTO EMPLOYEES

VALUES(2,'POP','SA','MIKES10@GMAIL.COM',9147852361,'21-JUL-2003',2,'HR');

INSERT INTO EMPLOYEES

VALUES(3,'SANTHOSH','Q','MIKES2@GMAIL.COM',9147852369,'31-JUL-2003',3,'HR');

INSERT INTO EMPLOYEES

VALUES(4,'KEVIN','ST','MIKES3@GMAIL.COM',9147852339,'31-JUL-2003',4,'HR');

INSERT INTO EMPLOYEES

VALUES(5,'LEBRON','TA','MIKES4@GMAIL.COM',9147852569,'31-JUL-2003',5,'HR');

INSERT INTO EMPLOYEES

VALUES(6,'JAMES','SG','MIKES5@GMAIL.COM',9147852379,'31-JUL-2003',6,'HR');

INSERT INTO EMPLOYEES

```
VALUES(7,'DAVIS','AA','MIKES6@GMAIL.COM',9147852389,'31-JUL-2003',7,'HR');
```

```
INSERT INTO EMPLOYEES
```

```
VALUES(8,'SHAQ','SQ','MIKES7@GMAIL.COM',9147852388,'31-JUL-2003',8,'HR');
```

```
INSERT INTO EMPLOYEES
```

```
VALUES(9,'NEAL','A','MIKES8@GMAIL.COM',9147858869,'31-JUL-2003',9,'HR');
```

```
INSERT INTO EMPLOYEES
```

```
VALUES(10,'AISH','E','MIKES9@GMAIL.COM',914882369,'31-JUL-2003',10,'HR');
```

SQL Worksheet

```
13 VALUES(5,'LEON', 'A', 'MIKES5@GMAIL.COM',9147852379,'31-JUL-2003',5,'HR');
14
15 INSERT INTO EMPLOYEES
16 VALUES(6,'JAMES','SG','MIKES5@GMAIL.COM',9147852379,'31-JUL-2003',6,'HR');
17
18 INSERT INTO EMPLOYEES
19 VALUES(7,'DAVIS','AA','MIKES6@GMAIL.COM',9147852389,'31-JUL-2003',7,'HR');
20
21 INSERT INTO EMPLOYEES
22 VALUES(8,'SHAQ','SQ','MIKES7@GMAIL.COM',9147852388,'31-JUL-2003',8,'HR');
23
24 INSERT INTO EMPLOYEES
25 VALUES(9,'NEAL','A','MIKES8@GMAIL.COM',9147858869,'31-JUL-2003',9,'HR');
26
27 INSERT INTO EMPLOYEES
28 VALUES(10,'AISH','E','MIKES9@GMAIL.COM',914882369,'31-JUL-2003',10,'HR');
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE	HIRE_DATE	MANAGER_ID	JOB_TITLE
1	MUKESH	SA	MIKES@GMAIL.COM	9147852369	31-JUL-03	1	HR
2	POP	SA	MIKES1@GMAIL.COM	9147852361	21-JUL-03	2	HR
3	SANTHOSH	Q	MIKES2@GMAIL.COM	9147852369	31-JUL-03	3	HR
4	KEVIN	ST	MIKES3@GMAIL.COM	9147852339	31-JUL-03	4	HR
5	LEBRON	TA	MIKES4@GMAIL.COM	9147852569	31-JUL-03	5	HR
6	JAMES	SG	MIKES5@GMAIL.COM	9147852379	31-JUL-03	6	HR
7	DAVIS	AA	MIKES6@GMAIL.COM	9147852389	31-JUL-03	7	HR
8	SHAQ	SQ	MIKES7@GMAIL.COM	9147852388	31-JUL-03	8	HR
9	NEAL	A	MIKES8@GMAIL.COM	9147858869	31-JUL-03	9	HR
10	AISH	E	MIKES9@GMAIL.COM	914882369	31-JUL-03	10	HR

[Download CSV](#)

10 rows selected.

C)

SQL Worksheet

```

1 ALTER TABLE EMPLOYEES
2 ADD EMPLOYEE_AGE int;

```

Table altered.

SQL Worksheet

```
1 UPDATE EMPLOYEES SET EMPLOYEE_AGE=40 WHERE EMPLOYEE_ID=1;
2 UPDATE EMPLOYEES SET EMPLOYEE_AGE=37 WHERE EMPLOYEE_ID=2;
3 UPDATE EMPLOYEES SET EMPLOYEE_AGE=29 WHERE EMPLOYEE_ID=3;
4 UPDATE EMPLOYEES SET EMPLOYEE_AGE=35 WHERE EMPLOYEE_ID=4;
5 UPDATE EMPLOYEES SET EMPLOYEE_AGE=23 WHERE EMPLOYEE_ID=5;
6 UPDATE EMPLOYEES SET EMPLOYEE_AGE=29 WHERE EMPLOYEE_ID=6;
7 UPDATE EMPLOYEES SET EMPLOYEE_AGE=34 WHERE EMPLOYEE_ID=7;
8 UPDATE EMPLOYEES SET EMPLOYEE_AGE=23 WHERE EMPLOYEE_ID=8;
9 UPDATE EMPLOYEES SET EMPLOYEE_AGE=28 WHERE EMPLOYEE_ID=9;
10 UPDATE EMPLOYEES SET EMPLOYEE_AGE=29 WHERE EMPLOYEE_ID=10;
```

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

UPDATE EMPLOYEES SET EMPLOYEE_AGE=40 WHERE EMPLOYEE_ID=1;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=37 WHERE EMPLOYEE_ID=2;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=29 WHERE EMPLOYEE_ID=3;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=35 WHERE EMPLOYEE_ID=4;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=23 WHERE EMPLOYEE_ID=5;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=29 WHERE EMPLOYEE_ID=6;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=34 WHERE EMPLOYEE_ID=7;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=23 WHERE EMPLOYEE_ID=8;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=28 WHERE EMPLOYEE_ID=9;

UPDATE EMPLOYEES SET EMPLOYEE_AGE=29 WHERE EMPLOYEE_ID=10;

SQL Worksheet

1	SELECT * FROM EMPLOYEES;	
---	--------------------------	--

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE	HIRE_DATE	MANAGER_ID	JOB_TITLE	EMPLOYEE_AGE
1	MUKESH	SA	MIKES@GMAIL.COM	9147852369	31-JUL-03	1	HR	40
2	POP	SA	MIKES10@GMAIL.COM	9147852361	21-JUL-03	2	HR	37
3	SANTHOSH	Q	MIKES2@GMAIL.COM	9147852369	31-JUL-03	3	HR	29
4	KEVIN	ST	MIKES3@GMAIL.COM	9147852339	31-JUL-03	4	HR	35
5	LEBRON	TA	MIKES4@GMAIL.COM	9147852569	31-JUL-03	5	HR	23
6	JAMES	SG	MIKES5@GMAIL.COM	9147852379	31-JUL-03	6	HR	29
7	DAVIS	AA	MIKES6@GMAIL.COM	9147852389	31-JUL-03	7	HR	34
8	SHAQ	SQ	MIKES7@GMAIL.COM	9147852388	31-JUL-03	8	HR	23
9	NEAL	A	MIKES8@GMAIL.COM	9147858869	31-JUL-03	9	HR	28
10	AISH	E	MIKES9@GMAIL.COM	914882369	31-JUL-03	10	HR	29

[Download CSV](#)
10 rows selected.

D)

ALTER TABLE EMPLOYEES

drop column HIRE_DATE;

select * from CONTACTS;

SQL Worksheet

1	ALTER TABLE EMPLOYEES	
2	drop column HIRE_DATE;	
3	select * from CONTACTS;	

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE	MANAGER_ID	JOB_TITLE	EMPLOYEE_AGE
1	MUKESH	SA	MIKES@GMAIL.COM	9147852369	1	HR	40
2	POP	SA	MIKES10@GMAIL.COM	9147852361	2	HR	37
3	SANTHOSH	Q	MIKES2@GMAIL.COM	9147852369	3	HR	29
4	KEVIN	ST	MIKES3@GMAIL.COM	9147852339	4	HR	35
5	LEBRON	TA	MIKES4@GMAIL.COM	9147852569	5	HR	23
6	JAMES	SG	MIKES5@GMAIL.COM	9147852379	6	HR	29
7	DAVIS	AA	MIKES6@GMAIL.COM	9147852389	7	HR	34
8	SHAQ	SQ	MIKES7@GMAIL.COM	9147852388	8	HR	23
9	NEAL	A	MIKES8@GMAIL.COM	9147858869	9	HR	28
10	AISH	E	MIKES9@GMAIL.COM	914882369	10	HR	29

[Download CSV](#)
10 rows selected.

E)

SQL Worksheet

1	DELETE EMPLOYEES;
2	TRUNCATE TABLE EMPLOYEES;
10 row(s) deleted.	
Table truncated.	

5)

A)

SQL Worksheet

```
1 CREATE TABLE CONTACTS
2 ( CONTACT_ID number(7),
3 FIRST_NAME varchar(30),
4 LAST_NAME varchar(30),
5 EMAIL varchar(40),
6 PHONE number(15),
7 CUSTOMER_ID number(10),
8 CONSTRAINT constants_pk PRIMARY KEY (CONTACT_ID)
9 );
```

Table created.

B)

SQL Worksheet

```
1 INSERT INTO CONTACTS
2 VALUES(18942,'David','Mikael','davidmikael@hotmail.com',9974304854,50002);
3 INSERT INTO CONTACTS
4 VALUES(20934,'Clark','Franklin','clarkfran@facebook.com',7492832232,40107);
5 INSERT INTO CONTACTS
6 VALUES(98232,'Warney','Michael','micwarney@instag.com',1947383943,79434);
7 INSERT INTO CONTACTS
8 VALUES(91345,'Ben','Dundee','dundeeben@hmanrw.com',7932420242,89347);
9 INSERT INTO CONTACTS
10 VALUES(99342,'Jonny','Johnson','johnsonjon@hkiefj.com',9128738494,56784);
11 INSERT INTO CONTACTS
12 VALUES(19384,'Tommy','Vercetti','vercettitommy@gta.com',8949034523,94347
13 );
```

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

INSERT INTO CONTACTS

VALUES(18942,'David','Mikael','davidmikael@hotmail.com',9974304854,50002);

INSERT INTO CONTACTS

```
VALUES(20934,'Clark','Franklin','clarkfran@facebook.com',7492832232,40107);  
INSERT INTO CONTACTS  
VALUES(98232,'Warney','Michael','micwarney@instag.com',1947383943,79434);  
INSERT INTO CONTACTS  
VALUES(91345,'Ben','Dundee','dundeeben@hmanrw.com',7932420242,89347);  
INSERT INTO CONTACTS  
VALUES(99342,'Jonny','Johnson','johnsonjon@hkiefj.com',9128738494,56784);  
INSERT INTO CONTACTS  
VALUES(19384,'Tommy','Vercetti','vercettitommy@gta.com',8949034523,94347  
);  
INSERT INTO CONTACTS  
VALUES(77495,'Carl','Ray','raycarl@unknowf.com',9845493045,78695);  
INSERT INTO CONTACTS  
VALUES(66859,'Reynold','Bouchy','bouchy123@twitter.com',7749580943,98324)  
;  
INSERT INTO CONTACTS  
VALUES(93054,'Mark','Nathan','nathanmar@husna.com',8348593934,19485);  
INSERT INTO CONTACTS  
VALUES(19394,'Robbie','Sheldon','sheldyrobi@juran.com',7699394345,87689);
```

SQL Worksheet

```
1 SELECT * FROM CONTACTS;
```

CONTACT_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE	CUSTOMER_ID
18942	David	Mikael	davidmikael@hotmail.com	9974304854	50002
20934	Clark	Franklin	clarkfran@facebook.com	7492832232	40107
98232	Warney	Michael	micwarney@instag.com	1947383943	79434
91345	Ben	Dundee	dundeeben@hmanrw.com	7932420242	89347
99342	Jonny	Johnson	johnsonjon@hkiefj.com	9128738494	56784
19384	Tommy	Vercetti	vercettitommy@gta.com	8949034523	94347
77495	Carl	Ray	raycarl@unknowf.com	9845493045	78695
66859	Reynold	Bouchy	bouchy123@twitter.com	7749580943	98324
93054	Mark	Nathan	nathanmar@husna.com	8348593934	19485
19394	Robbie	Sheldon	sheldyrobi@juran.com	7699394345	87689

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10 rows selected.

C)

```
ALTER TABLE CONTACTS ADD USER_AGE int;
```

```
UPDATE CONTACTS SET USER_AGE=10 WHERE CONTACT_ID=18942;
```

```
UPDATE CONTACTS SET USER_AGE=17 WHERE CONTACT_ID=20934;
```

```
UPDATE CONTACTS SET USER_AGE=19 WHERE CONTACT_ID=98232;
```

```
UPDATE CONTACTS SET USER_AGE=15 WHERE CONTACT_ID=91345;
```

```
UPDATE CONTACTS SET USER_AGE=23 WHERE CONTACT_ID=99342;
```

```
UPDATE CONTACTS SET USER_AGE=29 WHERE CONTACT_ID=19384;
```

```
UPDATE CONTACTS SET USER_AGE=34 WHERE CONTACT_ID=77495;
```

```
UPDATE CONTACTS SET USER_AGE=23 WHERE CONTACT_ID=66859;
```

```
UPDATE CONTACTS SET USER_AGE=28 WHERE CONTACT_ID=93054;
```

```
UPDATE CONTACTS SET USER_AGE=29 WHERE CONTACT_ID=19394;
```

SQL Worksheet

```
1 ALTER TABLE CONTACTS
2 ADD USER_AGE int;
3 UPDATE CONTACTS SET USER_AGE=10 WHERE CONTACT_ID=18942;
4 UPDATE CONTACTS SET USER_AGE=17 WHERE CONTACT_ID=20934;
5 UPDATE CONTACTS SET USER_AGE=19 WHERE CONTACT_ID=98232;
6 UPDATE CONTACTS SET USER_AGE=15 WHERE CONTACT_ID=91345;
7 UPDATE CONTACTS SET USER_AGE=23 WHERE CONTACT_ID=99342;
8 UPDATE CONTACTS SET USER_AGE=29 WHERE CONTACT_ID=19384;
9 UPDATE CONTACTS SET USER_AGE=34 WHERE CONTACT_ID=77495;
10 UPDATE CONTACTS SET USER_AGE=23 WHERE CONTACT_ID=66859;
```

Table altered.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

1 row(s) updated.

SQL Worksheet

```
1 SELECT * FROM CONTACTS;
```

CONTACT_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE	CUSTOMER_ID	USER_AGE
18942	David	Mikael	davidmikael@hotmail.com	9974304854	50002	10
20934	Clark	Franklin	clarkfran@facebook.com	7492832232	40107	17
98232	Warney	Michael	micwarney@instag.com	1947383943	79434	19
91345	Ben	Dundee	dundeeben@hmanrw.com	7932420242	89347	15
99342	Jonny	Johnson	johnsonjon@hkiefj.com	9128738494	56784	23
19384	Tommy	Vercetti	vercettitommy@gtta.com	8949034523	94347	29
77495	Carl	Ray	raycarl@unknowf.com	9845493045	78695	34
66859	Reynold	Bouchy	bouchy123@twitter.com	7749580943	98324	23
93054	Mark	Nathan	nathanmar@husna.com	8348593934	19485	28
19394	Robbie	Sheldon	sheldyrobi@juran.com	7699394345	87689	29

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10 rows selected.

D)

ALTER TABLE CONTACTS

drop column LAST_NAME;

select * from CONTACTS;

SQL Worksheet

```
1 ALTER TABLE CONTACTS
2 drop column LAST_NAME;
3 select * from CONTACTS;
```

Table altered.

CONTACT_ID	FIRST_NAME	EMAIL	PHONE	CUSTOMER_ID	USER_AGE
18942	David	davidmika1@hotmail.com	9974304854	50002	10
20934	Clark	clarkfran@facebook.com	7492832232	40107	17
98232	Warney	micwarney@instag.com	1947383943	79434	19
91345	Ben	dundeeben@hmanrw.com	7932420242	89347	15
99342	Jonny	johnsonjon@hkiefj.com	9128738494	56784	23
19384	Tommy	vercettitommy@gt.com	8949034523	94347	29
77495	Carl	raycarl@unknowf.com	9845493045	78695	34
66859	Reynold	bouchy123@twitter.com	7749580943	98324	23
93054	Mark	nathanmar@husna.com	8348593934	19485	28
19394	Robbie	sheldyrobi@juran.com	7699394345	87689	29

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10 rows selected.

E)

SQL Worksheet

```
1 DELETE CONTACTS;
2 TRUNCATE TABLE CONTACTS;
```

10 row(s) deleted.

Table truncated.

DELETE CONTACTS;

TRUNCATE TABLE CONTACTS;