Database Name

Addressbook

Tables

ADRSBK01(USERS)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K01F01	int		NO			select,insert,update,references	auto_increment	USERID
K01F02	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		username
K01F03	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		password
K01F04	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		DisplayName
K01F05	varchar(20)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		MobileNo

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K01F01
☑	K01F01_UNIQUE	BTREE	YES	K01F02
☑	K01F05_UNIQUE	BTREE	YES	K01F05

Data

K01F01	K01F02	K01F03	K01F04	K01F05
1	brijeshkamani	1234	Brijesh Kamani	1234567890
2	rajkamani	4321	Raj Kamani	0987654321

ADRSBK02(Countries)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K02F01	int		NO			select,insert,update,references	auto_increment	CountryID
K02F02	varchar(50)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		CountryName
K02F03	int		NO			select,insert,update,references		CountryCode

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K02F01
☑	K02F01_UNIQUE	BTREE	YES	K02F02
☑	K02F03_UNIQUE	BTREE	YES	K02F03

Data

K02F01	K02F02	K02F03
1	Afghanistan	93
2	Albania	355
3	Algeria	213
4	Andorra, Principality of	376
5	Angola	244
6	Antarctica	672
7	Argentina	54
8	Armenia	374
9	Aruba	297
10	Australia	61
11	Austria	43
12	Bahrain, Kingdom of (F...	973
13	Bangladesh (Former E...	880
14	Belgium	32
15	Belize (Former British H...	501
16	Benin (Former Dahomey)	229
17	Bhutan, Kingdom of	975
18	Bolivia	591
19	Bosnia and Herzegovina	387
20	Botswana (Former Bec...	267
21	Brazil	55
22	Brunei (Negara Brunei ...	673
23	Bulgaria	359
24	Burkina Faso (Former ...	226
25	Burundi (Former Urundi)	257
26	Cameroon (Former Fre...	237

ADRSBK03(States)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
◇ K03F01	int		NO			select,insert,update,references	auto_increment	StateID
◇ K03F02	varchar(50)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		StateName
◇ K03F03	int		YES			select,insert,update,references		CountryID

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K03F01
☑	CountryID_idx	BTREE	NO	K03F03

Data

K03F01	K03F02	K03F03
1	Andhra Pradesh	77
2	Arunachal Pradesh	77
3	Assam	77
4	Bihar	77
5	Chhattisgarh	77
6	Goa	77
7	Gujarat	77
8	Haryana	77
9	Himachal Pradesh	77
10	Jammu and Kashmir	77
11	Jharkhand	77
12	Karnataka	77
13	Kerala	77
14	Madhya Pradesh	77
15	Maharashtra	77
16	Manipur	77
17	Meghalaya	77
18	Mizoram	77
19	Nagaland	77
20	Odisha	77
21	Punjab	77
22	Rajasthan	77
23	Sikkim	77
24	Tamil Nadu	77
25	Telangana	77
26	Tripura	77

ADRSBK04(Cities)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K04F01	int		NO			select,insert,update,references	auto_increment	CityID
K04F02	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		CityName
K04F03	varchar(10)		YES	utf8mb4	utf8mb4_0900_...	select,insert,update,references		Pincode
K04F05	int		YES			select,insert,update,references		StateID

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K04F01
☑	StateID_idx	BTREE	NO	K04F05

Data

K04F01	K04F02	K04F03	K04F05
1	Ahmedabad	NULL	7
2	Amreli	NULL	7
3	Anand	NULL	7
4	Aravalli	NULL	7
5	Banaskantha	NULL	7
6	Bharuch	NULL	7
7	Bhavnagar	NULL	7
8	Botad	NULL	7
9	Chhota Udepur	NULL	7
10	Dahod	NULL	7
11	Dang	NULL	7
12	Devbhoomi D...	NULL	7
13	Gandhinagar	NULL	7
14	Gir Somnath	NULL	7
15	Jamnagar	NULL	7
16	Junagadh	NULL	7
17	Kheda	NULL	7
18	Kutch	NULL	7
19	Mahisagar	NULL	7
20	Mehsana	NULL	7
21	Morbi	NULL	7
22	Narmada	NULL	7
23	Navsari	NULL	7
24	Panchmahal	NULL	7
25	Patan	NULL	7
26	Porbandar	NULL	7

ADRSBK05(ContactCategories)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K06F01	int		NO			select,insert,update,references	auto_increment	BloodGroupID
K06F02	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		BloodGroupName

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K06F01
☑	K06F02_UNIQUE	BTREE	YES	K06F02

Data

K05F01	K05F02
1	Primary
2	Business
3	Work
4	Favorite
5	Family
6	Other

ADRSBK06(BloodGroups)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K06F01	int		NO			select,insert,update,references	auto_increment	BloodGroupID
K06F02	varchar(10)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		BloodGroupName

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K06F01
☑	K06F02_UNIQUE	BTREE	YES	K06F02

Data

K06F01	K06F02
1	A+
2	B+
3	Other

ADRSBK07(Gender)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K07F01	int		NO			select,insert,update,references	auto_increment	GenderID
K07F02	varchar(50)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		GenderName

Indexes

Visible	Key	Type	Uni...	Columns
☑	PRIMARY	BTREE	YES	K07F01
☑	K07F02_UNIQUE	BTREE	YES	K07F02

Data

K07F01	K07F02
2	Female
1	Male
3	Other

ADRSBK08(Contacts)

Columns

Column	Type	Default Value	Nullable	Character Set	Collation	Privileges	Extra	Comments
K08F01	int		NO			select,insert,update,references	auto_increment	ContactID
K08F02	varchar(100)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		ContactName
K08F03	varchar(500)		YES	utf8mb4	utf8mb4_0900_...	select,insert,update,references		Address
K08F04	int		YES			select,insert,update,references		CityID
K08F05	int		YES			select,insert,update,references		StateID
K08F06	int		YES			select,insert,update,references		CountryID
K08F07	varchar(10)		YES	utf8mb4	utf8mb4_0900_...	select,insert,update,references		Pincode
K08F08	varchar(20)		NO	utf8mb4	utf8mb4_0900_...	select,insert,update,references		MobileNo
K08F09	int		YES			select,insert,update,references		TelePhoneNo
K08F10	varchar(50)		YES	utf8mb4	utf8mb4_0900_...	select,insert,update,references		EmailID
K08F11	int		YES			select,insert,update,references		GenderID
K08F12	date		YES			select,insert,update,references		BirthDate
K08F13	int		YES			select,insert,update,references		Age
K08F14	int		YES			select,insert,update,references		BloodGroupID
K08F15	varchar(45)		YES	utf8mb4	utf8mb4_0900_...	select,insert,update,references		Profession
K08F16	int		NO			select,insert,update,references		ContactCategoryID
K08F17	int		NO			select,insert,update,references		UserID

Indexes

Column	Type	Nullable	Indexes
K08F01	int	NO	PRIMARY
K08F02	varchar(100)	NO	
K08F03	varchar(500)	YES	
K08F04	int	YES	CotactCityID_idx
K08F05	int	YES	ContactStateID_idx
K08F06	int	YES	ContactCountryID_idx
K08F07	varchar(10)	YES	
K08F08	varchar(20)	NO	
K08F09	int	YES	
K08F10	varchar(50)	YES	
K08F11	int	YES	ContactGenderID_idx
K08F12	date	YES	
K08F13	int	YES	
K08F14	int	YES	ContactBloodGroupID_idx
K08F15	varchar(45)	YES	
K08F16	int	NO	ContactContactCategoryID_idx
K08F17	int	NO	ContactUserID_idx

Data

K08F01	K08F02	K08F03	K08F04	K08F05	K08F06	K08F07	K08F08	K08F09	K08F10	K08F11	K08F12	K08F13	K08F14	K08F15	K08F16	K08F17
1	Brijesh Kamani	Rajkot	27	7	77	360002	8320247480	NULL	brijeshkamani11@gmail.com	1	2001-03-30	20	1	Employee	1	1
2	Raj Kamani	Rajkot	27	7	77	360002	9558438530	NULL	rajkamani2000@gmail.com	1	2000-12-21	21	2	Employee	1	1

Views

Creating View

```sql
CREATE VIEW
        `vv_SelectAllContactsDetails`
AS
        SELECT
                `K08F01`,
                `K08F02`,
                `K08F03`,
                `K08F04`,
                `K04F02`,
                `K08F05`,
                `K03F02`,
                `K08F06`,
                `K02F02`,
                `K08F07`,
                `K08F08`,
                `K08F09`,
                `K08F10`,
                `K08F11`,
                `K07F02`,
                `K08F12`,
                `K08F13`,
                `K08F14`,
                `K06F02`,
                `K08F15`,
                `K08F16`,
                `K05F02`,
                `K08F17`
        FROM
                `ADRSBK08`
        left join
                `ADRSBK02`
        on
                `ADRSBK08`.`K08F06` = `ADRSBK02`.`K02F01`
        left join
                `ADRSBK03`
        on
                `ADRSBK08`.`K08F05` = `ADRSBK03`.`K03F01`
        left join
                `ADRSBK04`
        on
                `ADRSBK08`.`K08F04` = `ADRSBK04`.`K04F01`
        left join
                `ADRSBK05`
        on
                `ADRSBK08`.`K08F16` = `ADRSBK05`.`K05F01`
        left join
                `ADRSBK06`
        on
                `ADRSBK08`.`K08F14` = `ADRSBK06`.`K06F01`
        left join
                `ADRSBK07`
        on
                `ADRSBK08`.`K08F11` = `ADRSBK07`.`K07F01`
;
```
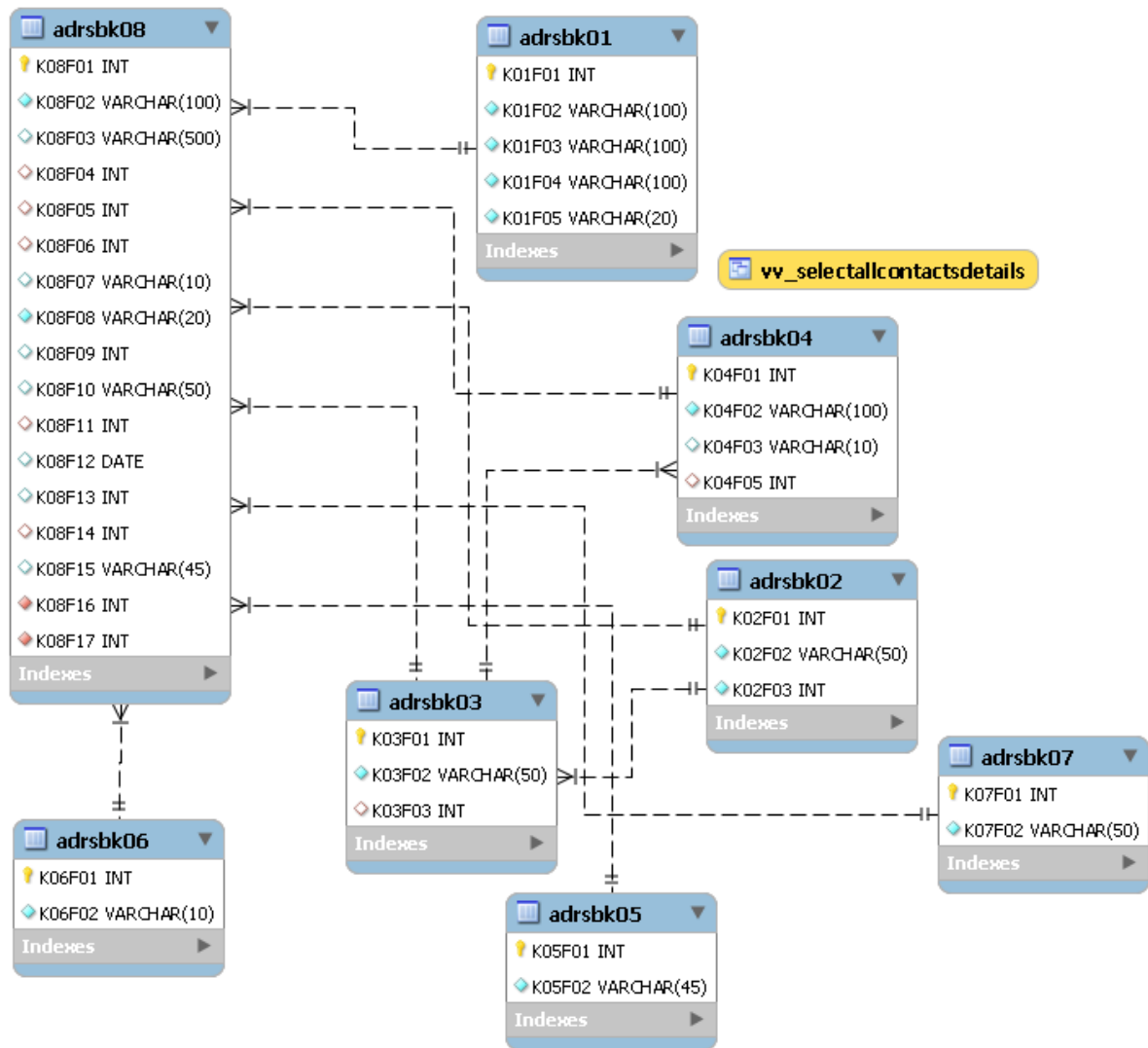
Selecting View

```
SELECT * FROM vv_selectallcontactsdetails;
```

K08F01	K08F02	K08F03	K08F04	K04F02	K08F05	K03F02	K08F06	K02F02	K08F07	K08F08	K08F09	K08F10	K08F11	K07F02	K08F12	K08F13	K08F14	K06F02	K08F15	K08F15	K08F16	K05F02	K08F17
1	Brijesh Kamani	Rajkot	27	Rajkot	7	Gujarat	77	India	360002	8320247480	NULL	brijeshkamani11@gmail.com	1	Male	2001-03-30	20	1	A+	Employee	Employee	1	Primary	1
2	Raj Kamani	Rajkot	27	Rajkot	7	Gujarat	77	India	360002	9558438530	NULL	rajkamani2000@gmail.com	1	Male	2000-12-21	21	2	B+	Employee	Employee	1	Primary	1

Selecting View

```
SELECT * FROM vv_selectallcontactsdetails;
```

K08F01	K08F02	K08F03	K08F04	K04F02	K08F05	K03F02	K08F06	K02F02	K08F07	K08F08	K08F09	K08F10	K08F11	K07F02	K08F12	K08F13	K08F14	K06F02	K08F15	K08F15	K08F16	K05F02	K08F17
1	Brijesh Kamani	Rajkot	27	Rajkot	7	Gujarat	77	India	360002	8320247480	NULL	brijeshkamani11@gmail.com	1	Male	2001-03-30	20	1	A+	Employee	Employee	1	Primary	1
2	Raj Kamani	Rajkot	27	Rajkot	7	Gujarat	77	India	360002	9558438530	NULL	rajkamani2000@gmail.com	1	Male	2000-12-21	21	2	B+	Employee	Employee	1	Primary	1

ER Diagram

adrsbk08
- 🔑 K08F01 INT
- ◇ K08F02 VARCHAR(100)
- ◇ K08F03 VARCHAR(500)
- ◇ K08F04 INT
- ◇ K08F05 INT
- ◇ K08F06 INT
- ◇ K08F07 VARCHAR(10)
- ◇ K08F08 VARCHAR(20)
- ◇ K08F09 INT
- ◇ K08F10 VARCHAR(50)
- ◇ K08F11 INT
- ◇ K08F12 DATE
- ◇ K08F13 INT
- ◇ K08F14 INT
- ◇ K08F15 VARCHAR(45)
- ◇ K08F16 INT
- ◇ K08F17 INT

Indexes ▶

adrsbk01
- 🔑 K01F01 INT
- ◇ K01F02 VARCHAR(100)
- ◇ K01F03 VARCHAR(100)
- ◇ K01F04 VARCHAR(100)
- ◇ K01F05 VARCHAR(20)

Indexes ▶

🗔 vv_selectallcontactsdetails

adrsbk04
- 🔑 K04F01 INT
- ◇ K04F02 VARCHAR(100)
- ◇ K04F03 VARCHAR(10)
- ◇ K04F05 INT

Indexes ▶

adrsbk02
- 🔑 K02F01 INT
- ◇ K02F02 VARCHAR(50)
- ◇ K02F03 INT

Indexes ▶

adrsbk03
- 🔑 K03F01 INT
- ◇ K03F02 VARCHAR(50)
- ◇ K03F03 INT

Indexes ▶

adrsbk07
- 🔑 K07F01 INT
- ◇ K07F02 VARCHAR(50)

Indexes ▶

adrsbk06
- 🔑 K06F01 INT
- ◇ K06F02 VARCHAR(10)

Indexes ▶

adrsbk05
- 🔑 K05F01 INT
- ◇ K05F02 VARCHAR(45)

Indexes ▶

Stored Procedures

sp_SelectAllContectsByUserID

Create

```
CREATE PROCEDURE
        `sp_SelectAllContectsByUserID`
        (IN p_UserID int)
BEGIN
        SELECT
                `K08F01`,
                `K08F02`,
                `K08F03`,
                `K04F02`,
                `K03F02`,
                `K02F02`,
                `K08F07`,
                `K08F08`,
                `K08F09`,
                `K08F10`,
                `K07F02`,
                `K08F12`,
                `K08F13`,
                `K06F02`,
                `K08F15`,
                `K05F02`,
                `K08F17`
        FROM
                `vv_selectAllContactsDetails`
        Where
                `K08F17` = p_UserID;
END$$

DELIMITER ;
;
```

CALL

```
CALL `addressbook`.`sp_SelectAllContectsByUserID`(1);
```

Output

K08F01	K08F02	K08F03	K04F02	K03F02	K02F02	K08F07	K08F08	K08F09	K08F10	K07F02	K08F12	K08F13	K06F02	K08F15	K05F02	K08F17
1	Brijesh Kamani	Rajkot	Rajkot	Gujarat	India	360002	8320247480	NULL	brijeshkamani11@gmail.com	Male	2001-03-30	20	A+	Employee	Primary	1
2	Raj Kamani	Rajkot	Rajkot	Gujarat	India	360002	9558438530	NULL	rajkamani2000@gmail.com	Male	2000-12-21	21	B+	Employee	Primary	1

sp_SelectContactByContactID

Create

```sql
DELIMITER $$
CREATE PROCEDURE
        `sp_SelectContactByContactID
        (IN p_ContactID int)
BEGIN
        SELECT
                `K08F01`,
                `K08F02`,
                `K08F03`,
                `K04F02`,
                `K03F02`,
                `K02F02`,
                `K08F07`,
                `K08F08`,
                `K08F09`,
                `K08F10`,
                `K07F02`,
                `K08F12`,
                `K08F13`,
                `K06F02`,
                `K08F15`,
                `K05F02`,
                `K08F17`
        FROM
                `vv_selectAllContactsDetails`
        Where
                `K08F01` = p_ContactID
        Limit 1;
END$$
DELIMITER ;
```

Call

```sql
CALL `addressbook`.`sp_SelectContactByContactID`(1);
```

Output

K08F01	K08F02	K08F03	K04F02	K03F02	K02F02	K08F07	K08F08	K08F09	K08F10	K07F02	K08F12	K08F13	K06F02	K08F15	K05F02	K08F17
1	Brijesh Kamani	Rajkot	Rajkot	Gujarat	India	360002	8320247480	NULL	brijeshkamani11@gmail.com	Male	2001-03-30	20	A+	Employee	Primary	1

sp_InsertContact

Create

```sql
CREATE PROCEDURE
        `sp_InsertContact`
        (out p_ContactID INT, IN p_ContactName varchar(100),IN p_Address varchar(500),
         IN p_CityID INT, IN p_StateID INT, IN p_CountryID INT, IN p_Pincode varchar(10),
         IN p_MobileNo varchar(20), IN p_TelePhoneNo INT, IN p_EmailID varchar(50),
         IN p_GenderID INT, IN p_Birthdate DATE, IN p_Age INT, IN p_BloodGroupID INT,
         IN p_Profession varchar(45), IN p_ContactCategoryID INT, IN p_UserID INT
        )
BEGIN
        INSERT INTO `addressbook`.`adrsbk08`
        (        `K08F02`,
                 `K08F03`,
                 `K08F04`,
                 `K08F05`,
                 `K08F06`,
                 `K08F07`,
                 `K08F08`,
                 `K08F09`,
                 `K08F10`,
                 `K08F11`,
                 `K08F12`,
                 `K08F13`,
                 `K08F14`,
                 `K08F15`,
                 `K08F16`,
                 `K08F17`
        )
        VALUES
        (        p_ContactName,
                 p_Address,
                 p_CityID,
                 p_StateID,
                 p_CountryID,
                 p_Pincode,
                 p_MobileNo,
                 p_TelePhoneNo,
                 p_EmailID,
                 p_GenderID,
                 p_Birthdate,
                 p_Age,
                 p_BloodGroupID,
                 p_Profession,
                 p_ContactCategoryID,
                 p_UserID
        );
        SET p_ContactID = LAST_INSERT_ID();
END$$

DELIMITER ;
```

CALL

```sql
CALL `addressbook`.`sp_InsertContact`(@ContactID, 'Karan Kamani', 'Kothariya Road', 27, 7, 77,
'360002', '987654321',NULL, 'brijeshkamani11@gmail.com', 1, '2003-02-16', 18, 1, 'Student', 1, 1);
Select @ContactID;
CALL `addressbook`.`sp_SelectAllContectsByUserID`(1);
```

Output

@ContactID
3

K08F01	K08F02	K08F03	K04F02	K03F02	K02F02	K08F07	K08F08	K08F09	K08F10	K07F02	K08F12	K08F13	K06F02	K08F15	K05F02	K08F17
1	Brijesh Kamani	Rajkot	Rajkot	Gujarat	India	360002	8320247480	NULL	brijeshkamani11@gmail.com	Male	2001-03-30	20	A+	Employee	Primary	1
2	Raj Kamani	Rajkot	Rajkot	Gujarat	India	360002	9558438530	NULL	rajkamani2000@gmail.com	Male	2000-12-21	21	B+	Employee	Primary	1
3	Karan Kamani	Kothariya Road	Rajkot	Gujarat	India	360002	987654321	NULL	brijeshkamani11@gmail.com	Male	2003-02-16	18	A+	Student	Primary	1

sp_UpdateContactByContactIDAndUserID

Create

```
DELIMITER $$
CREATE PROCEDURE
        `sp_UpdateContactByContactIDAndUserID`
        (INOUT p_ContactID INT, IN p_ContactName varchar(100),IN p_Address varchar(500),
         IN p_CityID INT, IN p_StateID INT, IN p_CountryID INT, IN p_Pincode varchar(10),
         IN p_MobileNo varchar(20), IN p_TelePhoneNo INT, IN p_EmailID varchar(50),
         IN p_GenderID INT, IN p_Birthdate DATE, IN p_Age INT, IN p_BloodGroupID INT,
         IN p_Profession varchar(45), IN p_ContactCategoryID INT, IN p_UserID INT
        )
BEGIN
        UPDATE
                `addressbook`.`adrsbk08`
        SET
                `K08F01` = p_ContactID,
                `K08F02` = p_ContactName,
                `K08F03` = p_Address,
                `K08F04` = p_CityID,
                `K08F05` = p_StateID,
                `K08F06` = p_CountryID,
                `K08F07` = p_Pincode,
                `K08F08` = p_MobileNo,
                `K08F09` = p_TelePhoneNo,
                `K08F10` = p_EmailID,
                `K08F11` = p_GenderID,
                `K08F12` = p_Birthdate,
                `K08F13` = p_Age,
                `K08F14` = p_BloodGroupID,
                `K08F15` = p_Profession,
                `K08F16` = p_ContactCategoryID,
                `K08F17` = p_UserID
        WHERE
                `K08F01` = p_ContactID
        AND
                `K08F17` = p_UserID
        ;
END$$
DELIMITER ;
```

Call

```
SET @ContactID = 3;
CALL `addressbook`.`sp_UpdateContactByContactIDAndUserID`(@ContactID, 'KaranKamani',
'KothariyaRoad', 27, 7, 77, '360001', '987654301',NULL, 'karankamani2003@gmail.com', 1, '2003-
02-16', 18, 1, 'Student', 1, 1);
CALL `addressbook`.`sp_SelectContactByContactID`(@ContactID);
```

Output

K08F01	K08F02	K08F03	K04F02	K03F02	K02F02	K08F07	K08F08	K08F09	K08F10	K07F02	K08F12	K08F13	K06F02	K08F15	K05F02	K08F17
3	KaranKamani	KothariyaRoad	Rajkot	Gujarat	India	360001	987654301	NULL	karankamani2003@gmail.com	Male	2003-02-16	18	A+	Student	Primary	1

sp_DeleteContactByContactIDAndUserID

Create

```
DELIMITER $$
CREATE PROCEDURE
        `sp_DeleteContactByContactIDAndUserID`
        (IN p_ContactID INT, IN p_UserID INT)
BEGIN
        DELETE FROM
                `addressbook`.`adrsbk08`
        WHERE
                `K08F01` = p_ContactID
        AND
                `K08F17` = p_UserID
        ;
END$$
```

Call

```
CALL `addressbook`.`sp_DeleteContactByContactIDAndUserID`(3, 1);
CALL `addressbook`.`sp_SelectAllContectsByUserID`(1);
```

Output

K08F01	K08F02	K08F03	K04F02	K03F02	K02F02	K08F07	K08F08	K08F09	K08F10	K07F02	K08F12	K08F13	K06F02	K08F15	K05F02	K08F17
1	Brijesh Kamani	Rajkot	Rajkot	Gujarat	India	360002	8320247480	NULL	brijeshkamani11@gmail.com	Male	2001-03-30	20	A+	Employee	Primary	1
2	Raj Kamani	Rajkot	Rajkot	Gujarat	India	360002	9558438530	NULL	rajkamani2000@gmail.com	Male	2000-12-21	21	B+	Employee	Primary	1