```sql
CREATE database sample_aug_2;

USE sample_aug_2;

CREATE TABLE customers (
    CID INT AUTO_INCREMENT PRIMARY KEY,
    first_name VARCHAR(20) NOT NULL,
    last_name VARCHAR(20),
    age INT CHECK(age>=18),
    gender ENUM("M", "F"),
    phone_no CHAR(10) NOT NULL UNIQUE,
    email_id VARCHAR(30),
    dob DATE,
    address VARCHAR(100)
);

#Add a new column named 'is_active' to the "customers" table
ALTER TABLE customers
ADD is_active varchar(10) not null;

#Change the data type of the 'is_active' column to INT.
ALTER TABLE customers
modify is_active INT;

#Rename the 'CID' column to 'cust_id'.
ALTER TABLE customers
RENAME COLUMN CID to cust_id;


#Delete the 'address' column from the "customers" table.
ALTER TABLE customers
DROP COLUMN address;

#Rename the "customers" table to "cust_info".
ALTER TABLE customers
RENAME TO cust_info;

RENAME TABLE cust_info to customer_info;

#####Add constraint to the 'is_active' column.
ALTER TABLE customers
ADD CONSTRAINT con CHECK(is_active IN(1,0));

#########################DML##########

select * from customer_info;
```

```sql
INSERT INTO customer_info VALUES
(102,'Jane', 'Smith', 32, 'F', '1098476253', 'jane@gmail.com', '1991-09-22', 1);


INSERT INTO customer_info(first_name,age,phone_no) VALUES ('Amit',35,'9876545561');
INSERT INTO customer_info(first_name,age,phone_no) VALUES ('prafull',23,'9810559290');
INSERT INTO customer_info(first_name,age,phone_no) VALUES ('Sashwath',25,'9812342');

select * from customer_info;


#change gender for sudhakar
UPDATE customer_info
SET gender = 'M' where cust_id = 104;

#Delete the record for a customer having 'cust_id' as 103
DELETE FROM customer_info
where cust_id  = 103;
#BETWEEN 104 and 108;

#delete all data from table
truncate table customer_info;

select * from customer_info;

DROP TABLE customer_info;
```