DBMS-CONSTRAINT CHECK

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Q1) Creating an table facebook_user_registration and adding CONSTRAINT that checks user is above 18 or not

ANSWER

```
mysql> create table facebook_user_registration(
    -> Name varchar(40),
    -> age int NOT NULL CHECK(age>=18));
Query OK, 0 rows affected (0.05 sec)
```

TESTING

```
mysql> insert into facebook_user_registration values ("Devayush", 24);
Query OK, 1 row affected (0.01 sec)

mysql> insert into facebook_user_registration values ("Akash", 17);
ERROR 3819 (HY000): Check constraint 'facebook_user_registration_chk_1' is violated.
```

Q2 Alter facebook_user_registration add column EMAIL and check => "@" and ". " in email address with age >= 18

ANSWER

Creating an column email

```
mysql> alter table facebook_user_registration
    -> Add email varchar(40);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Creating an constraint to check "@" and "." in Email address

```
mysql> alter table facebook_user_registration
    -> ADD CONSTRAINT chk_email CHECK (email LIKE '%_@__%.__%');
Query OK, 1 row affected (0.10 sec)
Records: 1  Duplicates: 0  Warnings: 0
```

TESTING

```
mysql> insert into facebook_user_registration values ("Devayush", 20, "Dev@db.com");
Query OK, 1 row affected (0.01 sec)

mysql> insert into facebook_user_registration values ("rohan", 19, "db.com");
ERROR 3819 (HY000): Check constraint 'chk_email' is violated.
mysql> insert into facebook_user_registration values ("ram", 19, "db@com");
ERROR 3819 (HY000): Check constraint 'chk_email' is violated.
mysql> insert into facebook_user_registration values ("sham", 19, "sham@db.com");
Query OK, 1 row affected (0.00 sec)

mysql> insert into facebook_user_registration values ("sham", 17, "sham@db.com");
ERROR 3819 (HY000): Check constraint 'facebook_user_registration_chk_1' is violated.
```