

```
create database dress_data;
use dress_data;
```

```
create table if not exists dress(
Dress_ID varchar(30),
Style varchar(30),
price varchar(30),
Rating varchar(30),
Size varchar(30),
Season varchar(30),
NeckLine varchar(30),
SleeveLength varchar(30),
waiseline varchar(30),
Material varchar(30),
FabricType varchar(30),
Decoration varchar(30),
Pattern_Type varchar(30),
Recommendation varchar(30)
);
```

```
/* How to load bulk of data using sql queries or automatically */
```

```
load data infile
'D:/MySQL/AttributeDataSet.csv'
into table dress
fields terminated by ','
enclosed by '"'
lines terminated by '\n'
ignore 1 rows;
```

```
select * from dress;
```

```
/* (constraints_1) auto_increment and
primary key is use in test1 table
*/
```

```
create table if not exists test1 (
test_id int auto_increment,
test_name varchar(30) ,
test_mail_id varchar(30),
test_adress varchar(30),
primary key (test_id));
```

```
/* data insert in table test1 */
```

```
insert into test1 values (1,'abhisek','abhi@gmail.com','bam'),
(2,'disha','disha@gmail.com','bam'),
(3,'priya','priya@gmail.com','bbsr'),
(4,'ram','ram@gmail.com','bam');
```

```
select * from test1;
```

```
/* (constraints_2) not null */
```

```
create table if not exists test2(
test_id int not null auto_increment,
test_name varchar(30) ,
test_mail_id varchar(30),
test_adress varchar(30),
primary key (test_id));
```

```
/* In table test2 some selected data are inserted and
test_id is automatically inserted in the table */
```

```
insert into test2 (test_name,test_mail_id,test_adress) values
('abhisek','abhi@gmail.com','bam'),
('disha','disha@gmail.com','bam'),
('priya','priya@gmail.com','bbsr'),
('ram','ram@gmail.com','bam');
```

```
select * from test2;
```

```
/* (constraints_3) check */
create table if not exists test3(
test_id int ,
test_name varchar(30) ,
test_mail_id varchar(30),
test_adress varchar(30),
test_salary int check (test_salary > 10000));
```

```
alter table test3 add check (test_id > 0);
```

```
/* In table test3 first check (test_id is greater than zero) and
(test_salary = 10000)
if two conditions satisfy then the data is inserted else it is not
inserted */
```

```
insert into test3 values
(1,'abhisek','abhi@gmail.com','bam',50000),
(2,'disha','disha@gmail.com','bam',60000),
(3,'priya','priya@gmail.com','bbsr',10001),
(4,'ram','ram@gmail.com','bam',21000);
```

```
insert into test3 values (3,'priya','priya@gmail.com','bbsr',10000);
```

```
/*not valid*/
insert into test3 values (0,'priya','priya@gmail.com','bbsr',10001); /*
not valid*/
```

```
create table if not exists test4(
test_id int ,
test_name varchar(30),
test_mail_id varchar(30),
test_adress varchar(30) check (test_adress = 'bam'),
test_salary int check (test_salary > 10000));
```

```
/* In table test4 first check (test_address = 'bam') and (test_salary =
10000)
if two condition is satisfy then the data inserted else it is not
inserted
(note : inserted time your varchar is any type like uppercase,lowercase
etc .) */
```

```
insert into test4 values (0,'abhisek','abhi@gmail.com','bam',50000);
insert into test4 values (2,'disha','disha@gmail.com','BAM',60000);
```

```
select * from test4 ;
```

```
/* (constraints_4) not null */
create table if not exists test5(
test_id int not null ,
test_name varchar(30) ,
test_mail_id varchar(30),
test_adress varchar(30) check (test_adress = 'bam'),
test_salary int check (test_salary > 10000));
```

```
/* if (not null) is used in a column but you do not inserted the value
then an error occurs.*/
insert into test5 (test_name,test_mail_id,test_adress,test_salary)
values ('abhisek','abhi@gmail.com','bam',50000); /* field _id doesn't
have a default value*/
```

```
/* (constraints_5) default */
create table if not exists test6(
test_id int not null default 0,
test_name varchar(30) ,
test_mail_id varchar(30),
test_adress varchar(30) check (test_adress = 'bam'),
test_salary int check (test_salary > 10000));
```

```
/* if (not null) is used in a column but you do not inserted then the
default value is inserted.*/
insert into test6 (test_name,test_mail_id,test_adress,test_salary)
values ('disha','disha@gmail.com','BAM',60000);
```

```
select * from test6;
```

```
/* (constraints_6) unique */
create table if not exists test7(
test_id int not null default 0,
test_name varchar(30) ,
test_mail_id varchar(30) unique,
test_adress varchar(30) check (test_adress = 'bam'),
test_salary int check (test_salary > 10000));
```

```
/* unique means no duplicate value is allowed to insert */
insert into test7 values (1,'disha','disha@gmail.com','BAM',60000);
insert into test7 values (2,'disha','disha@gmail.com','BAM',60000);
/*Duplicate entry 'disha@gmail.com' for key 'test7.test_mail_id'*/
```

```
/* all constraints are used in this table */
create table if not exists test8(
test_id int not null auto_increment,
test_name varchar(30) default 'unknown' not null,
test_mail_id varchar(30) unique not null,
test_adress varchar(30) check (test_adress = 'bam') not null,
test_salary int check (test_salary > 10000) not null,
primary key(test_id));
```

```
/* error --> alter table test8 add check (test_id > 0)
Check constraint 'test8_chk_3' cannot refer to an auto-increment
column.*/
alter table test8 add check (test_id > 0);
```

```
insert into test8 values (1,'suraj','suraj@gmail.com','bam',55000);
insert into test8 (test_name,test_mail_id,test_adress,test_salary) values
('disha','disha@gmail.com','BAM',60000);
insert into test8 (test_name,test_mail_id,test_adress,test_salary) values
('sweety','disha@gmail.com','BaM',60000);/*not valid but it affected a
row in table*/
insert into test8 (test_name,test_mail_id,test_adress,test_salary) values
('sweety','sweety@gmail.com','BaM',60000);
```

```
/*Error Code: 1062. Duplicate entry '1' for key 'test8.PRIMARY' because  
test_id is primary key and it is always unique*/
```

```
insert into test8 values (1,'ninja','ninja@gmail.com','bam',58000);  
insert into test8 (test_mail_id,test_adress,test_salary) values  
('abhia@gmail.com','BAM',60000);
```

```
select * from test8;
```

```
/*Q. what is the difference between unique and primary key ?*/
```