**iNeuron:**

Step for cleaning data in mysql

1] First we need to create a database in mysql with the name Cricket and syntax is given below.

Create Database Cricket

2] Use Cricket Database and syntax is below.

Use Cricket

3] Create Batsman Table with all the respective columns and syntax is below.

Create Table Batsman (

ID int primary key,

Bat1 varchar (30),

Runs int,

BF int,

SR int,

Fours int,

Six int,

Opposition varchar (30),

Ground varchar (30),

Start\_Date varchar (15),

Match\_ID varchar (30),

Batsman varchar (30),

Player\_ID int

)

4] Upload Batsman data in the table with the below syntax.

LOAD DATA INFILE

'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/Batsman\_Data.csv'

into table Batsman

FIELDS TERMINATED by ','

ENCLOSED by '"'

lines terminated by '\n'

IGNORE 1 ROWS;

5] Check if the data get upload and syntax is below.

Select \* from Batsman

6] Convert Start\_Date data type from varchar to date.

select str\_to\_date(Start\_Date,'%d/%m/%y') from Batsman

7] Find the unique count of value in Bat1 column by using below syntax.

Select Distinct(Bat1) from Batsman

8] Change the sql mode to delete the rows from the table using below syntax.

SET SQL\_SAFE\_UPDATES = 0;

9] Delete the record from the table using below syntax.

Delete From Batsman where Bat1 IN ('absent','DNB','sub','TDNB')

10] Create Bowler Table with all the respective columns and syntax is below.

Create Table Bowler (

ID int,

Overs int,

Mdns int,

Runs int,

Wkts int,

Econ int,

Ave int,

SR float,

Opposition varchar(50),

Ground varchar(30),

Start\_Date varchar(15),

Match\_ID varchar(30),

Bowler varchar(50),

Player\_ID int

)

11] Upload Bowler data in the table with the below syntax.

LOAD DATA INFILE

'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/Bowler\_data.csv'

into table Bowler

FIELDS TERMINATED by ','

ENCLOSED by '"'

lines terminated by '\n'

IGNORE 1 ROWS;

12] Convert Start\_Date data type from varchar to date.

Select str\_to\_date(Start\_Date,’%d/%m/%y’) from Bowler

13] Check if the data get upload and syntax is below.

Select \* from Bowler

14] Check the count of bowler whose overs value is zero.

Select count(\*) from Bowler where Overs = 0

15] Delete the rows from Bowler where overs is zero.

Delete From Bowler where Overs = 0

16] Create Odi\_Match\_Results Table with all the respective columns and syntax is below.

Create Table Odi\_Match\_Results (

ID int,

Result varchar(30),

Margin varchar(30),

BR int,

Toss varchar(30),

Bat varchar(15),

Opposition varchar(30),

Ground varchar(30),

Start\_Date varchar(15),

Match\_ID varchar(30),

Country varchar(30),

Country\_ID int

)

17] Upload Odi\_Match\_Results data in the table with the below syntax.

LOAD DATA INFILE

‘C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/ODI\_Match\_Results.csv’

into table Odi\_Match\_Results

FIELDS TERMINATED by ‘,’

ENCLOSED by ‘”’

lines terminated by ‘\n’

IGNORE 1 ROWS;

18] Convert Start\_Date data type from varchar to date.

Select str\_to\_date(Start\_Date,’%d/%m/%y’) from Odi\_Match\_Results

19] Check if the data get uploaded using below syntax.

Select \* from Odi\_Match\_Results

20] You can see the count of value in the table using below syntax.

Select count(\*) from Odi\_Match\_Results

21] Find out the unique value in the Result column from below syntax.

Select Distinct(Result) from Odi\_Match\_Results

22] Delete the record from the table where result equal to ‘-‘ using below syntax.

Delete From Odi\_Match\_Results where Result = ‘-‘

23] Export all the data from the below table into excel files using below syntax.

SELECT \* FROM Batsman

INTO OUTFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/New Data/Batsman\_Data.csv'

FIELDS ENCLOSED BY '"'

TERMINATED BY ';'

ESCAPED BY '"'

LINES TERMINATED BY '\r\n';

SELECT \* FROM Bowler

INTO OUTFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/New Data/Bowler\_Data.csv'

FIELDS ENCLOSED BY '"'

TERMINATED BY ';'

ESCAPED BY '"'

LINES TERMINATED BY '\r\n';

SELECT \* FROM Odi\_Match\_Results

INTO OUTFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/New Data/Odi\_Match\_Results.csv'

FIELDS ENCLOSED BY '"'

TERMINATED BY ';'

ESCAPED BY '"'

LINES TERMINATED BY '\r\n';