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SELECT version();

CREATE TABLE tommy_john(
    player          varchar(25),
    surgery_date     varchar(10),
    team             varchar(3),
    level            varchar(4),
    position         varchar(2),
    throws           varchar(2),
    country          varchar(25),
    highschool       varchar(25),
    college          varchar(25),
    age              numeric(2,0),
    return_date      varchar(10),
    recovery_time     numeric(2,0),
    mlbamid          numeric(6,0),
    fgid             varchar(15),
    surgeon          varchar(25)
);

DELETE FROM tommy_john
WHERE surgeon is null;

DELETE FROM tommy_john
WHERE recovery_time is null;

DELETE FROM tommy_john
WHERE level != 'MLB';

DELETE FROM tommy_john
WHERE position != 'P';

SELECT surgeon, COUNT (surgeon)
FROM tommy_john
GROUP BY surgeon;

DROP TABLE stats;

CREATE TABLE stats(
    name            varchar(20),
    player_id       numeric(6,0),
    year            numeric(4,0),
    player_age       numeric(2,0),
    k_percentage     numeric(3,1),
    bb_percentage    numeric(3,1),
    avg_exit_velocity numeric(4,1),
    hard_hit_percentage numeric(3,1),
    ff_velo          numeric(4,1),
    ff_rpm           numeric(4,0),
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    ff_Xbreak      numeric(3,1),
    ff_Ybreak      numeric(3,1),
    sl_velo        numeric(4,1),
    sl_rpm         numeric(4,0),
    sl_Xbreak      numeric(3,1),
    sl_Ybreak      numeric(3,1),
    ch_velo        numeric(4,1),
    ch_rpm         numeric(4,0),
    ch_Xbreak      numeric(3,1),
    ch_Ybreak      numeric(3,1),
    cu_velo        numeric(4,1),
    cu_rpm         numeric(4,0),
    cu_Xbreak      numeric(3,1),
    cu_Ybreak      numeric(3,1)
);

CREATE TABLE tj_stats AS
SELECT *
FROM tommy_john
LEFT OUTER JOIN stats ON tommy_john.mlbamid = stats.player_id;

CREATE TABLE noTJ_stats AS
SELECT *
FROM stats
LEFT JOIN tommy_john
ON stats.player_id = tommy_john.mlbamid
WHERE mlbamid IS NULL;

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