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3/9/2017

SQL DBM 126 Final

SQL Final

**Stored Procedure:** **spMLBBatting**

spMLBBatting

@TeamID='LAN',

@yearID='2012'

1. (Batting Avg Leader)

select namefirst+' '+namelast as Name, (H\*1.0)/(Case when AB=0 then 1 else AB end) as 'BA'

from vwPlayerBatting

where teamID='LAN' and yearID='2012' and ((H\*1.0)/(Case when AB=0 then 1 else AB end)) = (select max((H\*1.0)/(Case when AB=0 then 1 else AB end)) from vwPlayerBatting where teamID='LAN' and yearID='2012' and AB>500)

1. (Home Runs Leader)

select namefirst+' '+namelast as Name, HR

from vwPlayerBatting

where teamID='LAN' and yearID='2012' and HR = (select max(HR) from vwPlayerBatting where teamID='LAN' and yearID='2012')

1. (RBI Leader)

select namefirst+' '+namelast as Name, RBI

from vwPlayerBatting

where teamID='LAN' and yearID='2012' and RBI = (select max(RBI) from vwPlayerBatting where teamID='LAN' and yearID='2012')

1. (OBP Leader)

select namefirst+' '+namelast as Name, (H+BB+HBP)\*1.0/(Case when AB=0 then (1+BB+HBP) else (AB+BB+HBP) end) as 'OBP'

from vwPlayerBatting

where teamID='LAN' and yearID='2012' and ((H+BB+HBP)\*1.0/(Case when AB=0 then (1+BB+HBP) else (AB+BB+HBP) end)) = (select max((H+BB+HBP)\*1.0/(Case when AB=0 then (1+BB+HBP) else (AB+BB+HBP) end)) from vwPlayerBatting where teamID='LAN' and yearID='2012' and AB > 400)

1. (Hits Leader)

select namefirst+' '+namelast as Name, H

from vwPlayerBatting

where teamID='LAN' and yearID='2012' and H = (select max(H) from vwPlayerBatting where teamID='LAN' and yearID='2012')

1. (Batting Table)

select namefirst+' '+namelast Name, G GP, AB, R, H, S, b2 as '2B', b3 as '3B', HR, RBI, TB, BB, SO, SB, (H\*1.0)/(Case when AB=0 then 1 else AB end) as 'BA', (H+BB+HBP)\*1.0/(Case when AB=0 then (1+BB+HBP) else (AB+BB+HBP) end) as 'OBP', (TB\*1.0)/(Case when AB=0 then 1 else AB end) as 'SLG', (H+BB+HBP)\*1.0/(Case when AB=0 then 1+BB+HBP else AB+BB+HBP end) + (TB\*1.0)/(Case when AB=0 then 1 else AB end) as 'OPS'

From vwPlayerBatting

where teamID = 'LAN' and yearID = '2012'

order by BA desc

1. (Batting Totals)

select ('Totals') Totals, (162) GP, sum(AB) AB, sum(R) R, sum(H) H, sum(S) S, sum(b2) as '2B', sum(b3) as '3B', sum(HR) HR, sum(RBI) RBI, sum(TB) TB, sum(BB) BB, sum(SO) SO, sum(SB) SB, sum(H\*1.0)/sum(case when AB=0 then 1 else AB end)as 'BA', sum(H+BB+HBP)\*1.0/sum(Case when AB=0 then 1+BB+HBP else AB+BB+HBP end) OBP, sum(TB\*1.0)/sum(Case when AB=0 then 1 else AB end) SLG, sum(H+BB+HBP)\*1.0/sum(Case when AB=0 then 1+BB+HBP else AB+BB+HBP end) + sum(TB\*1.0)/sum(Case when AB=0 then 1 else AB end) OPS

from vwPlayerBatting

where teamID = 'LAN' and yearID = '2012'