/\* Dennis Sauve \*/  
/\* CIS126 DBMS/SQL Final \*/

/\* BA Leader \*/

select TOP(1) 'Batting AVG' as 'Leader',

nameFirst + ' ' + nameLast as 'Name',

(H\*1.0)/(case when AB=0 then 1 else AB end) as 'BA'

from db\_Baseball2015.vwPlayersBatting

where (AB\*1.0) / (select MAX(G) from db\_Baseball2015.vwPlayersBatting where teamID='LAN' and yearID=2010) >= 3.1

and yearID=2010

and teamID='LAN'

order by 'BA' desc;

/\* HR Leader \*/

select TOP(1) 'Home Runs' as 'Leader',

nameFirst + ' ' + nameLast as 'Name',

HR

from db\_Baseball2015.vwPlayersBatting

where (AB\*1.0) / (select MAX(G) from db\_Baseball2015.vwPlayersBatting where teamID='LAN' and yearID=2010) >= 3.1

and yearID=2010

and teamID='LAN'

order by HR desc;

/\* RBI Leader \*/

select TOP(1) 'RBI' as 'Leader',

nameFirst + ' ' + nameLast as 'Name',

RBI

from db\_Baseball2015.vwPlayersBatting

where (AB\*1.0) / (select MAX(G) from db\_Baseball2015.vwPlayersBatting where teamID='LAN' and yearID=2010) >= 3.1

and yearID=2010

and teamID='LAN'

order by RBI desc;

/\* OBP Leader \*/

select TOP(1) 'OBP' as 'Leader',

nameFirst + ' ' + nameLast as 'Name',

((H + BB + HBP)\*1.0 / (case when (AB + BB + HBP)=0 then 1 else (AB + BB + HBP) end)) as 'OBP'

from db\_Baseball2015.vwPlayersBatting

where (AB\*1.0) / (select MAX(G) from db\_Baseball2015.vwPlayersBatting where teamID='LAN' and yearID=2010) >= 3.1

and yearID=2010

and teamID='LAN'

order by 'OBP' desc;

/\* H Leader \*/

select TOP(1) 'Hits' as 'Leader',

nameFirst + ' ' + nameLast as 'Name',

H

from db\_Baseball2015.vwPlayersBatting

where (AB\*1.0) / (select MAX(G) from db\_Baseball2015.vwPlayersBatting where teamID='LAN' and yearID=2010) >= 3.1

and yearID=2010

and teamID='LAN'

order by H desc;

/\* Main Body of Page Data \*/

select nameFirst + ' ' + nameLast as 'NAME',

G as 'GP',

AB,

R,

H,

B2 as '2B',

B3 as '3B',

HR,

RBI,

((S)+(B2\*2)+(B3\*3)+(HR\*4)) as '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 + BB + HBP)=0 then 1 else (AB + BB + HBP) end)) as 'OBP',

((S)+(B2\*2)+(B3\*3)+(HR\*4))\*1.0 / (case when AB=0 then 1 else AB end) as 'SLG',

((H + BB + HBP)\*1.0 / (case when (AB + BB + HBP)=0 then 1 else (AB + BB + HBP) end)) + (((S)+(B2\*2)+(B3\*3)+(HR\*4))\*1.0 / (case when AB=0 then 1 else AB end)) as 'OPS'

from db\_Baseball2015.vwPlayersBatting

where yearID=2010 and teamID='LAN'

order by 'BA' desc;

/\* Footer/Total Data \*/

select teamID as 'NAME',

MAX(G) as 'GP',

SUM(AB) as 'AB',

SUM(R) as 'R',

SUM(H) as 'H',

SUM(B2) as '2B',

SUM(B3) as '3B',

SUM(HR) as 'HR',

SUM(RBI) as 'RBI',

(SUM(S)+(SUM(B2)\*2)+(SUM(B3)\*3)+(SUM(HR)\*4)) as 'TB',

SUM(BB) as 'BB',

SUM(SO) as 'SO',

SUM(SB) as 'SB',

(SUM(H)\*1.0)/(case when SUM(AB)=0 then 1 else SUM(AB) end) as 'BA',

((SUM(H) + SUM(BB) + SUM(HBP))\*1.0 / (case when (SUM(AB) + SUM(BB) + SUM(HBP))=0 then 1 else (SUM(AB) + SUM(BB) + SUM(HBP)) end)) as 'OBP',

((SUM(S))+(SUM(B2)\*2)+(SUM(B3)\*3)+(SUM(HR)\*4))\*1.0 / (case when SUM(AB)=0 then 1 else SUM(AB) end) as 'SLG',

((SUM(H) + SUM(BB) + SUM(HBP))\*1.0 / (case when (SUM(AB) + SUM(BB) + SUM(HBP))=0 then 1 else (SUM(AB) + SUM(BB) + SUM(HBP)) end)) +

(((SUM(S))+(SUM(B2)\*2)+(SUM(B3)\*3)+(SUM(HR)\*4))\*1.0 / (case when SUM(AB)=0 then 1 else SUM(AB) end)) as 'OPS'

from db\_Baseball2015.vwPlayersBatting

where yearID=2010 and teamID='LAN'

group by teamID