

Assignment: 6

a) Find player ids of players who have scored more than 30 in every ODI match that they have batted.

```
select player_id from batting009 b1
where not exists (select Player_id from
batting009 b2 where b1.Player_id=b2.Player_id
and b2.N_Runs <30);
```

Query Result x	
SQL All Rows Fetched: 5 in 0.026 seconds	
PLAYER_ID	
1 24001	
2 91001	
3 89001	
4 25001	
5 25001	

b) List the attributes of BATTING separated by comma.

```
select Match_id || ',' || Player_id ||
',' || N_Order || ',' || N_Runs from batting009;
```

Query Result x	
SQL All Rows Fetched: 16 in 0.012 seconds	
MATCH_ID ',' PLAYER_ID ',' N_ORDER ',' N_R...	
1 2689,23001,4,38	
2 2689,24001,5,42	
3 2689,25001,5,36	
4 2689,27001,9,7	
5 2689,89001,2,91	
6 2689,95001,3,1	
7 2689,98002,8,3	
8 2689,99001,8,7	
9 2689,99002,1,2	
10 2755,23001,3,0	
11 2755,25001,5,71	
12 2755,27001,9,2	
13 2755,91001,1,60	
14 2755,92002,11,1	
15 2755,94002,7,17	
16 2755,98002,8,2	

c) Find match ids of those matches in which 'Lee' bowled.

```
select Match_Id from bowling009
where Player_Id in( select Player_Id
from player009 where L_Name like 'Lee');
```

Query Result x	
SQL All Rows Fetched: 1 in 0.005 seconds	
MATCH_ID	
1 2689	

d) Find ids of players that have both bowled and batted in the ODI match 2689.

```
select Player_Id from batting009
where Match_Id='2689' and Player_Id in
(select Player_Id from bowling009
where Match_Id='2689');
```

Query Result x

SQL | All Rows Fetched: 4 in 0.006 seconds

	PLAYER_ID
1	99001
2	24001
3	23001
4	98002

e) Find ids of players that have either bowled or batted in the ODI match 2689.

```
select Player_Id from batting009
where Match_Id='2689' or Player_Id in
(select Player_Id from bowling009
where Match_Id='2689');
```

Query Result x

SQL | All Rows Fetched: 11 in 0.005 seconds

	PLAYER_ID
1	23001
2	89001
3	23001
4	25001
5	99002
6	95001
7	24001
8	99001
9	27001
10	98002
11	98002

f) Find ids of players that have batted in match no 2689 but have not bowled.

```
select Player_Id from batting009
where Match_Id='2689' and Player_Id not in
(select Player_Id from bowling009
where Match_Id='2689');
```

Query Result x

SQL | All Rows Fetched: 5 in 0.004 seconds

	PLAYER_ID
1	95001
2	99002
3	27001
4	89001
5	25001

g) Find the senior player in ODI database.

- select F_Name, L_Name from (select F_Name, L_Name, dense_rank () over (order by Year_Born) as rank from player009) where rank =1;



The screenshot shows a database query tool interface. At the top, there are tabs for 'Worksheet' and 'Query Builder'. The 'Query Builder' tab is active, displaying a SQL query in a text area. Below the query area, there is a 'Query Result' section. It includes a green play button icon, a close button (x), and a status bar indicating 'All Rows Fetched: 1 in 0.003 seconds'. The query result is displayed in a table with two columns: 'F_NAME' and 'L_NAME'. The first row shows the names 'Gary' and 'Kirsten'.

```
select F_Name,L_Name from player009 where Year_Born in  
(select min(Year_Born) from player009);
```

	F_NAME	L_NAME
1	Gary	Kirsten