

119.5 TASK 3- USING CLAUSES, OPERATORS AND FUNCTIONS IN QUERIES

AIM:

- To perform the query processing on data base for different retrieval results of queries using DML, DQL operations using aggregate, date, string, index functions, set clauses and operators.
- To retrieve the location of a particular match conducted by its matchID.
 - To retrieve the players details whose name start with 'A'.
 - Add a column Batting and Bowling in Player table.
 - To count the number of Right-hand batsman in a team.
 - To display the Cricket Board details for the boards IDs 'B1D01', 'B1D03', and 'B1D06'.
 - To select the name and IDs of players who are left-hand bowlers.
 - To find the umpire ID of umpires who have not umpired any match.

Cricket Board: Schema

Board	Name	Address	Contact No
B1D01	Chennai cricket board	Chennai	99 88 77 66 99
B1D02	Tiruvallur cricket Board	Chennai	99 77 88 66 99
B1D03	Villupuram cricket Board	Villupuram	99 55 88 66 99
B1D04	Thiru cricket Board	Thiru	99 44 88 66 99
B1D05	Madurai cricket Board	Madurai	99 44 88 66 99
B1D06	Tuticorin cricket Board	Tuticorin	99 33 88 66 99
B1D07	Select cricket Board	Select	99 22 88 66 99
B1D08	Tiruppur cricket Board	Tiruppur	99 11 88 66 99

Team ID	Board ID	Name	Coach	Captain
CCB01	BID01	NBS express	G.D. RAJESTHI	SAMPATH KUMAR
CCB02	BID01	AVG express	T. KARTHIK	Y. JOHN
TCB01	BID02	ANGRY BIRD	TOM BABU	CINIL JOHN
TCB02	BID02	TIGER ROCK	S. KANNAN	BEN GEORGE
TRICB01	BID04	ROCK KING	KIRAN	K. MUTHU
VCB01	BID03	RAIN BOW	S. RAJESTHI KUMAR	MANIDHARAN
MCB01	BID05	PANTHER	SARAVANAN	R. SUNIL KUMAR
TUCB01	BID06	THUNDER	P. ALEX	BARATHI
SCB01	BID07	EAGLE	SOMY	SRI HARI
TICB01	BID08	KINGS	D ANAND	MATTHAN

Player:

Player ID	Team ID	First Name	Last Name	Date of Birth	Age	Playing Role	Email	Contact - No	Batsman	Wicket keeper	Bowling
1 CC801	PC001	Raj	N	27-05-1996	23	Wicket keeper	rajn@gmail.com	9191910101	null	left hand	
33 CC801	PC001	D	D	28-05-1997	22	Batsman	batsmd@gmail.com	9191910001	right hand	null	
62 CC802	PC002	Shashank	K	23-05-1998	24	Bowler	kishanar@gmail.com	9191910103	null	right hand	
48 CC802	PC002	Kishore	K	24-05-1998	24	All rounder	kishorek@gmail.com	9292913015	left hand	left hand	
19 PC001	TC001	Karthik	K	24-05-1998	24	Batsman	KarthikK@gmail.com	9292930508	right hand	null	
62 TC001	TC001	Amar	J	22-05-1998	22	Batsman	Amans@gmail.com	9292930102	right hand	null	
102 TC002	TC002	Mosh	G	21-05-1998	21	Batsman	Amanj@gmail.com	9292930510	right hand	null	
12 TC002	TC002	Premkumar	S	21-05-1998	21	Bowler	Premkumar@gmail.com	9592950514	null	right hand	
1 VC801	VC801	Prem	V	23-05-1998	23	Bowler	Prem.kumar@gmail.com	9592950517	null	right hand	
21 VC801	VC801	Kall	J	21-05-1998	21	Batsman	Kallik@gmail.com	9592950630	right hand	null	
61 VC801	VC801	Komalesh	A	22-05-1998	22	Batsman	Komalesh@gmail.com	9592950630	right hand	null	
66 VC801	VC801	Ganesh	V	24-05-1998	24	Batsman	GaneshV@gmail.com	9592950630	right hand	null	
303 TR001	TR001	Arun	T	24-05-1998	24	Batsman	GaneshV@gmail.com	9592950630	right hand	null	
313 TR004	TR004	Srinivasan	N	24-05-1998	24	Batsman	Srinivasan@gmail.com	9992758450	right hand	null	

match:

matchID	teamID	TeamID	match_date	Time I	Result
M01	CCB01	TCB01	28-JUN-22	1-3	TCB01 - WIN
M02	CCB02	TCB02	29-JUN-22	8-3	CCB02 - WIN
M03	TRICB01	TCB01	24-JUN-22	8-3	TCB01 - WIN
M04	TRICB01	TCB02	25-JUN-22	8-3	TRICB01 - WIN

Ground:

GROUNDID	matchID	Name	Location	Capacity
GID01	M01	Nehru	Chennai	10000
GID02	M02	GK	Coimbatore	10000
GID03	M03	Sankar	Nellai	6000

umpire, umpired:

umpireID	matchID	GroundID
UID01	M01	GID01
UID02	M03	GID02

34 TO retrieve the location of a particular match conducted by its matchID

SQL> SELECT LOCATION FROM GROUND WHERE MATCHID='M03';

Result:

Location
Nellai

35: TO retrieve the players detail whose name start with 'A'

SQL> select * from Player where FNAME like 'A%';

PlayerID	TeamID	Fname	Lname	Age	Bith Date of	Playing Role	Email	Contact no
62	TCB01	Amar	J	22	21-sep-98	Batsman	Amarji@mitron	7877733656
102	TCB02	Aakash	G	21	26-sep-99	Batsman	AakashG@mitron	7877733656
203	TICB01	Arun	T	21	21-oct-98	Batsman	ArunSharma@mitron	7877733656

3.3 Add a Column Batting and Bowling in player table.

SQL After table player and Batting varchar(10);

Table Altered

SQL After table player and Bowling varchar(10);

Table Altered

3.4 To count the number of right-hand batsman in a team.

SQL < Select count(*) from player where batting='right hand'.

Result:

Count(*)
9

3.5: To display the Cricket Board details for the Board IDs 'BID01', 'BID03', and 'BID06'.

SQL > select * from Cricket Board where Board ID in ('BID01', 'BID03', 'BID06')

Board ID	Name	Address	Contact No
BID01	Chennai Cricket Board	Chennai	99 88976699
BID03	Villupuram	Villupuram	99 66886699
BID06	Tuticorin Cricket Board	Tuticorin	99 33886699

3.6: To select the names and IDs of Players who are left-hand bowlers.

SQL > select Player ID, Fname, Lname from Player where Bowling = 'Left hand';

PlayerID	FName	LName
17	Raj	N
18	Kishore	K
19	Aman	V

3.7: To find the umpireID of umpires who have not umpired

SQL> Select a.umpireID from umpire a where umpireID Not
 (Select umpire ID from umpire_umpired);

Result:-

umpireID
UID 03

10. Final Project

EX NO.	NAME	MARKS	GRADE
3	SHRIYAN SHRIYAN	22/10/2013	A+
4	SHRIYAN SHRIYAN	22/10/2013	A+
5	SHRIYAN SHRIYAN	22/10/2013	A+
6	SHRIYAN SHRIYAN	22/10/2013	A+
7	SHRIYAN SHRIYAN	22/10/2013	A+
8	SHRIYAN SHRIYAN	22/10/2013	A+
9	SHRIYAN SHRIYAN	22/10/2013	A+
10	SHRIYAN SHRIYAN	22/10/2013	A+
11	SHRIYAN SHRIYAN	22/10/2013	A+
12	SHRIYAN SHRIYAN	22/10/2013	A+
13	SHRIYAN SHRIYAN	22/10/2013	A+
14	SHRIYAN SHRIYAN	22/10/2013	A+
15	SHRIYAN SHRIYAN	22/10/2013	A+
16	SHRIYAN SHRIYAN	22/10/2013	A+
17	SHRIYAN SHRIYAN	22/10/2013	A+
18	SHRIYAN SHRIYAN	22/10/2013	A+
19	SHRIYAN SHRIYAN	22/10/2013	A+
20	SHRIYAN SHRIYAN	22/10/2013	A+
21	SHRIYAN SHRIYAN	22/10/2013	A+
22	SHRIYAN SHRIYAN	22/10/2013	A+
23	SHRIYAN SHRIYAN	22/10/2013	A+
24	SHRIYAN SHRIYAN	22/10/2013	A+
25	SHRIYAN SHRIYAN	22/10/2013	A+
26	SHRIYAN SHRIYAN	22/10/2013	A+
27	SHRIYAN SHRIYAN	22/10/2013	A+
28	SHRIYAN SHRIYAN	22/10/2013	A+
29	SHRIYAN SHRIYAN	22/10/2013	A+
30	SHRIYAN SHRIYAN	22/10/2013	A+
31	SHRIYAN SHRIYAN	22/10/2013	A+
32	SHRIYAN SHRIYAN	22/10/2013	A+
33	SHRIYAN SHRIYAN	22/10/2013	A+
34	SHRIYAN SHRIYAN	22/10/2013	A+
35	SHRIYAN SHRIYAN	22/10/2013	A+
36	SHRIYAN SHRIYAN	22/10/2013	A+
37	SHRIYAN SHRIYAN	22/10/2013	A+
38	SHRIYAN SHRIYAN	22/10/2013	A+
39	SHRIYAN SHRIYAN	22/10/2013	A+
40	SHRIYAN SHRIYAN	22/10/2013	A+
41	SHRIYAN SHRIYAN	22/10/2013	A+
42	SHRIYAN SHRIYAN	22/10/2013	A+
43	SHRIYAN SHRIYAN	22/10/2013	A+
44	SHRIYAN SHRIYAN	22/10/2013	A+
45	SHRIYAN SHRIYAN	22/10/2013	A+
46	SHRIYAN SHRIYAN	22/10/2013	A+
47	SHRIYAN SHRIYAN	22/10/2013	A+
48	SHRIYAN SHRIYAN	22/10/2013	A+
49	SHRIYAN SHRIYAN	22/10/2013	A+
50	SHRIYAN SHRIYAN	22/10/2013	A+
51	SHRIYAN SHRIYAN	22/10/2013	A+
52	SHRIYAN SHRIYAN	22/10/2013	A+
53	SHRIYAN SHRIYAN	22/10/2013	A+
54	SHRIYAN SHRIYAN	22/10/2013	A+
55	SHRIYAN SHRIYAN	22/10/2013	A+
56	SHRIYAN SHRIYAN	22/10/2013	A+
57	SHRIYAN SHRIYAN	22/10/2013	A+
58	SHRIYAN SHRIYAN	22/10/2013	A+
59	SHRIYAN SHRIYAN	22/10/2013	A+
60	SHRIYAN SHRIYAN	22/10/2013	A+
61	SHRIYAN SHRIYAN	22/10/2013	A+
62	SHRIYAN SHRIYAN	22/10/2013	A+
63	SHRIYAN SHRIYAN	22/10/2013	A+
64	SHRIYAN SHRIYAN	22/10/2013	A+
65	SHRIYAN SHRIYAN	22/10/2013	A+
66	SHRIYAN SHRIYAN	22/10/2013	A+
67	SHRIYAN SHRIYAN	22/10/2013	A+
68	SHRIYAN SHRIYAN	22/10/2013	A+
69	SHRIYAN SHRIYAN	22/10/2013	A+
70	SHRIYAN SHRIYAN	22/10/2013	A+
71	SHRIYAN SHRIYAN	22/10/2013	A+
72	SHRIYAN SHRIYAN	22/10/2013	A+
73	SHRIYAN SHRIYAN	22/10/2013	A+
74	SHRIYAN SHRIYAN	22/10/2013	A+
75	SHRIYAN SHRIYAN	22/10/2013	A+
76	SHRIYAN SHRIYAN	22/10/2013	A+
77	SHRIYAN SHRIYAN	22/10/2013	A+
78	SHRIYAN SHRIYAN	22/10/2013	A+
79	SHRIYAN SHRIYAN	22/10/2013	A+
80	SHRIYAN SHRIYAN	22/10/2013	A+
81	SHRIYAN SHRIYAN	22/10/2013	A+
82	SHRIYAN SHRIYAN	22/10/2013	A+
83	SHRIYAN SHRIYAN	22/10/2013	A+
84	SHRIYAN SHRIYAN	22/10/2013	A+
85	SHRIYAN SHRIYAN	22/10/2013	A+
86	SHRIYAN SHRIYAN	22/10/2013	A+
87	SHRIYAN SHRIYAN	22/10/2013	A+
88	SHRIYAN SHRIYAN	22/10/2013	A+
89	SHRIYAN SHRIYAN	22/10/2013	A+
90	SHRIYAN SHRIYAN	22/10/2013	A+
91	SHRIYAN SHRIYAN	22/10/2013	A+
92	SHRIYAN SHRIYAN	22/10/2013	A+
93	SHRIYAN SHRIYAN	22/10/2013	A+
94	SHRIYAN SHRIYAN	22/10/2013	A+
95	SHRIYAN SHRIYAN	22/10/2013	A+
96	SHRIYAN SHRIYAN	22/10/2013	A+
97	SHRIYAN SHRIYAN	22/10/2013	A+
98	SHRIYAN SHRIYAN	22/10/2013	A+
99	SHRIYAN SHRIYAN	22/10/2013	A+
100	SHRIYAN SHRIYAN	22/10/2013	A+

VEL TECH - CSE	
EX NO.	3
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	5
TOTAL (20)	18
SIGN WITH DATE	18/10/2013

Result:- Thus the query processing on database for different retrieval result of query using clauses, operators and functions in queries has been performed successfully.