

## Task-3:- Using clauses, operators and function in queries,

### Aim:-

- to perform the query processing on database for different retrieval results of queries using DML/DQL operations using aggregate, date, string, Inbuilt functions, set clauses and operators.
- \* To retrieve the location of a particular match conducted by its match ID.

### Approach :- Create a separate table for the Test matches with "A"

- \* To retrieve the players details whose name starts with "A".
- \* Add a column batting and bowling in players table.
- \* To count the number of right-hand batsman in a team.
- \* To display the circuit Board details for the Board ID's 'B1001', 'B1003' and 'B1004'.

- \* To select the names and ID's of players who are left-hand batsman.
- \* To find the umpires who have not umpired any match.

### Cricket Board :-

each cricket board has a unique ID, name, address and contact number.

Board-ID	Name	Address	Contact-No
B1001	Chennai Cricket Board	Chennai	9988776699
B1002	Tirucherai Cricket Board	Chennai	9977664411
B1003	Villupuram Cricket Board	Villupuram	911447766
B1004	Tiruchirapalli Cricket Board	Tiruchirapalli	9999114477
B1005	Madurai Cricket Board	Madurai	8877442244
B1006	Tuticorin Cricket Board	Tuticorin	9966776611
B1007	Salem Cricket Board	Salem	9977551166
B1008	Tiruppur Cricket Board	Tiruppur	9911446655

### Team:-

Team-ID	Board-ID	Name	Coach	Captain
CCB01	B1001	AB's Express	G.D.Vanesh	Sarpathikumar
CCB02	B1002	AVG Express	T.Lakshmi	Y.JOHNSON
TCB01	B1002	Angrybird	Tom RADU	CIVILJOHN

TCB02	B1D02	Tiger Shoch	S. Kavitha	Ben George
TRCB01	B1D04	Rocke	b. paul	K. Murthy
VCB01	B1D03	Rain Bow	s. Rajeshkumar	MANT MARAM
MCB01	B1D05	Panther	SARAVANAN	R. Srinivas Kumar
TUCB01	B1D06	Thunder	D. ALEX	B7 Arathi
SCB01	B1D07	Eagle	SOMU	SRI Hari
TICB01	B1D08	Kings	D. ANAND	mathan

## Player's -

Project ID	Name	Role	Phone Number	Email	Address	City	State	Zip Code	Country	Notes
1	Rajesh Patelji	Project Manager	9876543210	rajesh.patelji@gmail.com	123 Main Street	Anytown	CA	95101	USA	Primary contact for project A.
2	Vikas Patelji	Software Developer	9876543211	vikas.patelji@gmail.com	456 Elm Street	Anytown	CA	95101	USA	Secondary contact for project A.
3	Amit Patelji	System Administrator	9876543212	amit.patelji@gmail.com	789 Oak Street	Anytown	CA	95101	USA	Primary contact for project B.
4	Sunit Patelji	QA Tester	9876543213	sunit.patelji@gmail.com	123 Pine Street	Anytown	CA	95101	USA	Secondary contact for project B.
5	Neetu Patelji	Customer Support	9876543214	neetu.patelji@gmail.com	456 Cedar Street	Anytown	CA	95101	USA	Primary contact for project C.
6	Shweta Patelji	Customer Support	9876543215	shweta.patelji@gmail.com	789 Birch Street	Anytown	CA	95101	USA	Secondary contact for project C.
7	Pardeep Patelji	Customer Support	9876543216	pardeep.patelji@gmail.com	123 Maple Street	Anytown	CA	95101	USA	Primary contact for project D.
8	Pratik Patelji	Customer Support	9876543217	pratik.patelji@gmail.com	456 Willow Street	Anytown	CA	95101	USA	Secondary contact for project D.
9	Varun Patelji	Customer Support	9876543218	varun.patelji@gmail.com	789 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project E.
10	Yash Patelji	Customer Support	9876543219	yash.patelji@gmail.com	123 Birch Street	Anytown	CA	95101	USA	Secondary contact for project E.
11	Komal Patelji	Customer Support	9876543220	komal.patelji@gmail.com	456 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project F.
12	Umesh Patelji	Customer Support	9876543221	umesh.patelji@gmail.com	789 Birch Street	Anytown	CA	95101	USA	Secondary contact for project F.
13	Tejas Patelji	Customer Support	9876543222	tejas.patelji@gmail.com	123 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project G.
14	Shiv Patelji	Customer Support	9876543223	shiv.patelji@gmail.com	456 Birch Street	Anytown	CA	95101	USA	Secondary contact for project G.
15	Arjun Patelji	Customer Support	9876543224	arjun.patelji@gmail.com	789 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project H.
16	Harsh Patelji	Customer Support	9876543225	harsh.patelji@gmail.com	123 Birch Street	Anytown	CA	95101	USA	Secondary contact for project H.
17	Aditi Patelji	Customer Support	9876543226	aditi.patelji@gmail.com	456 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project I.
18	Neha Patelji	Customer Support	9876543227	neha.patelji@gmail.com	789 Birch Street	Anytown	CA	95101	USA	Secondary contact for project I.
19	Avani Patelji	Customer Support	9876543228	avani.patelji@gmail.com	123 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project J.
20	Prachi Patelji	Customer Support	9876543229	prachi.patelji@gmail.com	456 Birch Street	Anytown	CA	95101	USA	Secondary contact for project J.
21	Shreya Patelji	Customer Support	9876543230	shreya.patelji@gmail.com	789 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project K.
22	Shiv Patelji	Customer Support	9876543231	shiv.patelji@gmail.com	123 Birch Street	Anytown	CA	95101	USA	Secondary contact for project K.
23	Tejas Patelji	Customer Support	9876543232	tejas.patelji@gmail.com	456 Chestnut Street	Anytown	CA	95101	USA	Primary contact for project L.
24	Shiv Patelji	Customer Support	9876543233	shiv.patelji@gmail.com	789 Birch Street	Anytown	CA	95101	USA	Secondary contact for project L.

### Match

match	teamA	teamB	match - Date	time	Result
M01	CCB01	TCB01	22-jun-22	1:30	TCB01-win
M02	CCB02	TCB02	22-jan-22	8:30	CCB02-win
M03	TRICB01	TCB01	24-jan-22	8:30	TCB01-win
M04	TRICB01	TCB02	25-jan-22	8:30	TRICB01-win

### Ground

Ground ID	match ID	Name	Location	Capacity
G1D01	M01	Neetu	Chennai	10000
G1D02	M02	GK	Coimbatore	1000
G1D03	M03	Sankar	Nellore	6000

### Umpire

UmpireID	F Name	M name	Age	DOB	Country	Email	Contact No.
U1D01	Unnithan	T	45	21-jun-78	India	unny@gmail.com	9866445894
U1D02	Mathukumar	R	46	1-jun-79	India	mathu@gmail.com	91929394965
U1D03	Somu	K	47	1-jun-83	India	somu@gmail.com	8877445544

### Umpire - Umpired

UmpireID	match ID	match ID
U1D01	M01	G1D01
U1D02	M03	G1D02

Q1:- To determine the location of a particular match conducted by its match ID SQL select location from ground where match ID = 'M02'.



3.2:- To retrieve the player's details whose name starts with 'A' SQL  
Select from Player where F Name like 'A%';

PlayerID	TeamID	F Name	L Name	Age	DOB	Playing role	Email
G2	TcB01	Amar	J	22	21-Sep-98	Batsman	Amar@gmail.com
101	TcB01	Aakash	G	21	26-Sep-99	Batsman	Aakash@gmail.com
303	TRICB01	Anur	T	24	21-Oct-99	Batsman	Anur@gmail.com

3.3:- Add one column Batsking and Bowling in player table.

SQL > Alter table player add Batsking varchar(10);

Table Altered

SQL > Alter table player add Bowling varchar(10);

Table Altered.

3.4:-

To Count the number of right - hand Batsman in a team

SQL > select count(\*) from player where Batsking = 'right - Hand';

Result:-

Count (*)
9

3.5:- To display the cricket Board details for the Board ID's 'B1001', 'B1003', and 'B1006'

SQL > select \* from Cricket Board where Board ID in

(B1001, B1003, B1006);

BoardID	Name	Address	Contact No.
B1001	Chennai Cricket Board	Chennai	9887766699
B1003	Madras Cricket Board	Madras	9866186699
B1006	Tamilnadu Cricket Board	Tuticorin	9823886699

3.6:- To select the names and IDs of players.

left - hand Batsmen

SQL > select player ID, FName, LName, from player

having = 'left - hand' ;

Player ID	F Name	L Name
1	Raj	N
18	Kishore	K
1	Prem	V

Q.7:- To find the Umpire ID of umpires who have not umpired in any match, query should be :-

SQL > select a umpire ID from Umpire ID not In (Select Umpire ID from Umpire - Umpired);

Result:-

Umpire ID
U1003

The Result of the related query is :-

X NO.	VEL TECH - CSE - 1
ACCOUNTS	PERFORMANCE (5)
	RESULT AND ANALYSIS (5)
	VIVA VOCE (5)
	RECORD (5)
	TOTAL (20) <del>(40%)</del>
	SIGN WITH DATE

Result:-

This the query processing on database for different retrieved result of query using clauses, operations and functions in queries they been performed successfully.