Task3: Using clauses, operations and functions in queries.

Aim:

To Perform the query Processing on database for different retrieval results of quiries using DML, DRL operations using aggrate, date, string, indent functions, set calcususes and operations.

* To retrieve the location of Particular match conducted by its matchID.
* To retrieve the Players detail whose name start A!
* Add a column batting and bolwing in Player table.
* To count the number of right-hand batsman.

Cricket board:

BoardID	Name	Address	contact-No
BID01	chennai cricket bord	chennai	9987686899
BID02	Triuvallur cricket board	chennai	9977668898
BID03	viluppurom cricket bard	viluppuram	9016886699
BID04	Trichy cricket board	Trichy	9955886699
BID05	Madurai cricket board	Madurai	9933886699
BID06	Tuticorin cricket beard	Tuticorin	9922866.99
DID07	Selam cricket board	Selam	9974488669
DID08	Tiruppur cricket board	Tiruppur	9911886699

Umpire_umpired:

umpireID	MatchID	GroundID
UID01	M01	GID01
UID02	M023	GID02

PlayerID	TeamID	FName	LName	Age	Date of birth	Playing Role	email
1.	CCB01	Raj	N	27	29 jun-96	Bowler	rajn@gmail.com
8. 33	CCB01	Balaji	D	23	2-jan-99	Batsman	balajid@gmail.com
2.	CCB02	krishna	R	23	2-jan-99	Bowler	krishnar@gmail.com
18	CCB02	kishore	K	24	24-sep-98	All Rounder	kishore@gmail.com
19	TCB01	karthik	K	24	14-sep-98	Batsman	krithik@gmail.com
62	TCB01	Amar	J	22	21-sep-98	Batsman	Amar@gmail.com
102	TCB02	Akash	G	21	26-sep-99	Batsman	Akash@gmail.com
12	TCB02	Prem kumar	S	21	13-oct-99	Bowler	Bowler@gmail.com
1	VCB01	Prem	V	23	13-Apr-97	Bowler	prem@gmail.com
21	VCB01	kali	J	21	11-Apr-02	Batsman	kali@gmail.com
61	VCB01	kamalesh	A	22	21-jun-01	Batsman	kamalesh@gmail.co
66	VCB01	Ganesh	V	24	21-jun-98	Batsman	ganesh@gmail.com
303	TRICB01	Arun	T	24	21-oct-98	Batsman	Arun@gmail.com
313	TRICB01	srinivasan	N	24	21-oct-98	Batsman	srinvas@gmail.

Ground

Ground ID	Match-ID	Name	Location	Capacity
GID01	M01	Nehru	chennai	10000
GID02	M02	GK	coimbatore	10000
GID03	M03	Sankar	Nellai	6000

Team Match

MatchID	TeamID	TeamID	Match-Date	Time	Result
M01	CCB01	TCB01	22-Jun-22	1.3	TCB01-win
M02	CCB02	TCB02	22-Jun-22	8.3	CCB01-win
M03	TRICB01	TCB01	24-Jun-22	8.3	TCB01-win
M04	TRICB02	TCB02	23-Jun-22	8.3	TRICB01-win

Team

TeamID	BoardID	Name	coach	captain
CCB01	BID01	ABS Express	G.D.Ramesh	Sampath kumar
CCB02	BID01	AVG Express&	T.karthik	Sampath kumar
TCB01	BID02	Angry bird	Tom bubu	N.JOHN
TCB02	BID02	Tiger rock	S.kannan	cinil JOHN
TRICB01	BID04	rock	k.Paul	Benjeorge
VCB01	BID03	Rainbow	S.Rajesh kumar	k.Muthu
MCB01	BID05	Panther	Saravanan	Manimaran
TCCB01	BID06	thunder	D.Alex	Barathi
SCB01	BID07	Eagle	somu	Srihari

UmpireID	FName	LName	Age	DOB	county	Email	conta
UID01	venkatesh	T	45	21-Jun-78	IN	venkatesh@gmail.ca	96655
UID02	Muthu	R	46	1-jun-79	IN	Muthu@gmail.com	96351
UID03	somu	K	42	1-jun-23	IN	somu@gmail.com	9664h

3.1 To retrieve the location of Particular match conducted by its Match ID

SQL>select location from ground where ID = M03

Result

Location
Nellai

3.2 To retrive the Players detail whose name start with 'A'

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

PlayerID	TeamID	FName	Age	DOB	Playing	Email	contact_no
62	TCB01	J	22	21-sep-98	Batsman	Amarj@gmail.com	9392930508
102	TCB02	G	21	26-sep-99	Batsman	Amarj@gmail.com	9292930510
303	TRCB01	I	24	21-oct-98	Batsman	Ganeshr@gmail.com	959295845

3.3 Add a column bating and bowling in Player table

SQL>Alter table Player and batting varchar(10);

Table altered

SQL>Alter table Player and bowling varchar(10);

Table Altered

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

SQL>select count(*) from Player where batting = 'right-hand';

Result

count(*)
9

3.5. To display the cricketboard details for boardIDs BID01, BID03 and BID06

SQL>select * from cricket board where in(BID01,'BID03','BID06');

BoardID	Name	Address	contact No.
BID01	chennai cricket Board	chennai	9988776699
BID03	viluppuram cricket board	viluppuram	9966888669
BID06	Tuticorin cricket board	Tuticorin	9933886699

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

SQL>select PlayerID, FName, LName from Player where bowling= 'left hand';

PlayerID	FName	LName
1	Raj	N
18	kishore	k
1	Prem	V

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

SQL7. Select a. Umpire ID from umpire. a where umpireID not IN (select umpireID from umpire_umpired;
Result:

UmpireID
UID03

VLIT TECH CSE	
PERFORMANCE (5)	3
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	18
SIGN WITH DATE	

Result:

Thus the query Processing on database for different retrieval result of query using clauses, operations and functions in queries has been performed successfully.