Task 3: Using clauses, Operation and functions inquiry

Aim: To perform the query processing on databases for different retrieval results of queries using DML, DRL operators using aggregat, date, string, index functions, Set clauses and operators.

* To retrieve the locations of a particular match conducted by its math 80.

* To retrieve the the players detail whose name start 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 cricket-Board detail for the Boards ios 'B 1001', 'B 1003' and 'B 1006'.

* To select the names and ios of players who are left hand bowlers.

* To find the umpire io of umpire when have not the umpire any match.

Cricket Board:

Board-IO	NAME	Address	Contact-No
B1001	Chenai cricket Board	Chennai	2542569
B 1002	Tiruvallu cricket Board	Chennai	9496698144
B1003	villupuram Circket Board	Vilupunun	9469854494
B1004	Trichy cricket Board	Trichy	9865643240
B1005	Madurai cricket Board	Madurai	9456754
B1006	Tuticorin cricket Board	Taticorin	9134940059
B1007	Selam cricket Board	Tuticoro	78950286
B1008	Trichy cricket Board	selam	8985213920
B1009	Tiruppur cricket Board	Tiruppu	9154632101

Team:

	Team ID	Board ID	Name	Coach	Captain
1	CCB01	BID01	ABS Extrem	G.D. Ramesh	Sampath Kuma
2	CCB02	DID01	Ana Express	T. Karthik	Arldnh
3	CCB03	BID02	Ambu AARD	Tom Babu	Kis Rolex
4	TRGB02	BID02	Tiger Rocy	S. Kannan	Done Kesh
5	FRGB01	B104	Roca	K. Paul	Ronaldo
6	TRICB01	BI003	Rainbow	S. Rajesh Eman	Mess
7	VCB01	B1005	PANTHER	S. A. Navaran	Ben TO
8	MCB01	B1006	Tunder	D. Alex	Tetson
9	TUCB01	B1007	eagle	Somy	Nelsin
10	TICB0	B1008	kings	D. ANand	Mammely

match:

math (a)	Team (1)	Team (1)	math-date	Time 1	Result
mo 1	CCB01	TCB01	22-Jun-22	1.3	TCB01 -win
mo 2	CCB02	TCB02	23-Ju-22	8.3	CCB01 -win
mo 3	TGTB01	TCB01	24-Jun 22	8.3	TCB01 -win
mo4	TriB01	TCB02	25-Jun 22	8.3	TriCB01 -win

Ground:

Ground ID	math ID	Name	location	capacity
G1001	mo1	Nehru	Chennai	10000
G1002	mo2	GK	Coimbatore	10000
G1003	mo3	Sankar	Melloi Sankar	600

	Plyr GD	Team ID	Fname	Lname	Age	Date of Birth	Playing role	Email	Contact no	Batting	Bowling
2	1	(CBol	Raj	2	27		Bowler	yai@gmail.com	7434668980	null	left
3	33	CCBol	Balaji	D	23		Batsman	balaji@gmail.com	8961632209	right	null
4	2	CCBol	Krishna	e	23		All rounder	kalst@gmail.com	9976453456	null	right
5	18	ccBo2	Kishore	K	24		Batsman	yam@gmail.com	8462613255	left	left
6	19	TCBol	Karthick	1c	24		Batsman	bj.hore@gmail.com	7160543852	right	null
7	62	TCBol	Aman	I	22		Batsman	rajah@gmail.com	9976454980	right	null
8	102	TCBO2	Akash	G	21		Bowler	prem@gmail.com	8110643624	right	null
9	12	TCBol	Prem kumar	S	21		Bowler	varma@gmail.com	9920543052	null	right
10	1	VCBol	Prem	V	23		Batsman	ram@gmail.com	8032154320	null	left
11	21	VCBol	Kali	J	21		Batsman	ram@gmail.com	9197780522	right	null
12	61	VCBol	Ramdesh	A	22		Batsman	king@gmail.com	8635465422	right	null
13	66	VCBol	Ganesh	V	24		Batsman	killer@gmail.com	9125463052	right	null
14	303	TICBol	Arun	T	24		Batsman	boost@gmail.com	9102562502	right	null
15	313	TriCbo	Srinivasan	R	24		Batsman	nhm@gmail.com	9502436252	right	null

Umpire:

UmpireID	FName	LName	Age	Date of Birth	Country	Email	Contact no
UI001	venkatesh	T	45	21-Jun-78	INDIA	Ram@gmail.con	9055562850
UI002	muthukumar	R	46	9-Jon-79	IADIA	kar@gmail.com	95054613725
UI003	Somu	F	42	1-J-83	INDIA	rejion@gmail.com	9876532100

Umpire-Umpired:

UmpireID	MatchID	GroundID
UID01	M01	GID01
UID02	M02	G8002

3.1 To retrieve the location of a particular match conducted by its Match ID.

SQL > SELECT LOCATION FROM GROUND WHERE MATCH ID='M03';

Result:

Location
Nellai

3.2 To retrieve the players details whose name start with 'A'

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

PlayerID	TeamID	FName	LName	Age	D-O-B	Playmode	Email	Contact-n
1	TCB01	Amay	J	22	21/sep/98	Batsman	may@gmal e	9292456
2	TCB02	Akash	Gov	21	26/sep/98	Batsman	Amay@gmail Con	9854305.
3	TCB03	Arun	T	24	21/oct/98	Batsman	Garesh@gmail Com	9360625L

3.3 Add a column Batting and Bowling in Playa table

SQL> Alter table Player add Batting 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 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 BoardID
in('BID01','BID03','BID06');

Board ID	Name	Address	Contact_NO
BID01	Chennai Cricket Board	Chennai	9988776699
BID03	Vilupuram Cricket Board	Vilpurum	9966886699
BID06	Tuticorin Cricket Board	Tuticorin	9933886699

3.6: To select the names and ID's 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 from Umpire a where UmpireID NOT IN (select. UmpireID from umpire_umpired);

Result:

Umpire ID
UID 03

Result:

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