TASK - 3

Using clauses, operators and functions in queries

Aim:-

To perform the query processing on data bases for different retrieval results of queries using DML, DRL operations wing aggregate, date string indent. functions, set clauses and operators.

• To retrieve the location of a particular match conducted by its matchID

• To retrieve the players detail whose name start with 'Ar'.

• Add column Batting and Bowling in player table.

• To count the no number of right-board batman in a team.

• To find the umpire ID of umpires who have not umpired any match

Cricket Board:

Board ID	Name	Adress	contact - No
BIDD1	chennai cricket Board	chennai	9986776699
BID02	Tiruvallur cricket Board	chennai	9977886699
BFD03	villuppuram c.B	Viluppuram	9966886699
BID04	trichy c.B	trichy	9955886699
BID05	Madurai c.B	madurai	9944886699
BID06	Tuticorin c.B	Tuticorn	9933886699
BID07	celam c.B	selam	9922886699
BID08	Tiruppur c.B	Tiruppur	9911886699

Team:

team	BoardID	Name	coach	captain
CC B01	BID01	ABS Express	G.D Ramesh	Sampath kumar
CC B02	BID01	AVG express	r.karthik	Y. JOHN
tCB01	BFD02	ANGRY BIRD	TOM BABU	CIVIL JOHN

TCBO2   O2001   TIGER   S.KANNAN   BEN GEORGE
                 Rock
TRICBO1 BIDO4   Rock   K.PAUL   K.MUTHU

VCBO1   BIDO3   RAINBOW S.RAJESHKUMAR M.ANBMARAN

TVBO1   BDDO5   PANTER   SARANDANAN   R.SUNILKUMAR

SCBO1   BIDO7   EAGLE   COALER   BARATHS

TICBO1 BIDO8   KINGS   D ANAND   MATHAN

Player :

PlayerID	TEAMID	FNAME	FNAME	Age/num	Date of Birth	Playing Role	email	contact-no	Batting	Bowling
1	CCBO1	Raj	M	27	29-Jun-96	Bowler	raj@gmail.com	9191910101	null	L-H
33	CCBO2	Balaji	D	23	2-Jan-99	Batmen	balaji@gmail.com	9491911003	R-H	Null
2	CCBO2	Krishna	R	23	2-sep-98	Bowler	krishan@gmail.com	9197930103	null	righ
18	CCBO2	Kishore	K	24	10-sep-98	ALL-R	kishore@ "	9291930105	L-H	L-H
4	TCBO1	karthick	k	24	24-sep-98	B.M	Amarj@gmail	9291930107	R-H	Null
62	TCBO1	amar	J	22	21-sep-98	Batman	karthick@ "	9292930580	R-H	Null
102	TCBO2	Akash	G	21	26-sep-99	Batsman	Amarj@ "	9229305100	R-H	Null
12	TCBO2	premkumar	S	21	13-apr-97	Bowler	prem ku @ "	9592930512	null	r-H
1	VCBO1	prem	V	23	13-04-97	Bowler	prem @ "	9592950507	null	Reff
21	VCBO1	Kali	J	24	1-4-02	Bowler	kalij @ "	9592950630	R-H	Null
61	VCBO1	kamalesh	A	22	21-6-2001	Batsman	kamalesh@ "	9592958330	R-H	Null
66	VCBO1	Ganesh	V	24	21-6-	Batsman	Ganesh@ "	9592958790	R-H	Null
303	TRECBO1	Arun	T	24	21-10-98	Batsman	Faresh@ "	9592958502	R-H	null
313	TRECBO1	Srinivasa	M	24	21-10-98	Batsman	srinivasann@gmail.com	9492958090	R-H	null

MATCH:

Match ID	TEAMID	TeamID	match-Date	Time	Result
M01	cc B01	TC B01	21-Jun-22	1.3	TC B01-WIN
M02	cc B02	TC B02	22-Jun-22	8.3	cc B01-WIN
M03	TREC B01	TC B01	24-Jun-22	8.3	TC B01-WIN
M04	TRI C001	TC B02	25-Jun-22	8.3	TRT B01-WIN

Ground:

Ground ID	MATCH ID	NAME	location	capacity
GID01	M01	Nehru	chennai	10000
GID02	M02	RK	coimbatore	10000
GED03	M03	sankar	Nellai	6000
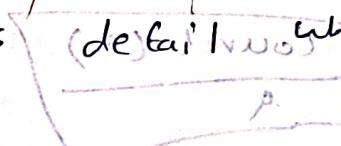
umpire:

Umpire ID	FNAME	LNAME	Age	D.B	Country	Email
UID01	venkatesh	T	us	21-Jun-78	INDIA	venkatesh@gmail.
UID02	muthukumar	R	46	1-Jun-79	INDIA	muturkumar@
UD003	somu	K	42	1-Jun-83	INDIA	somuk@gmail

contact -no

9 66 557 1435

9 06 557 1460

9 66 447 1460

Umpire - Umpired :

UmpireID	match ID	Ground ID
UID01	M01	GID01
UID02	M03	GID02

3.1: To retrieve the players (detail) whose name start with 'A',

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

Resul:

```
┌──────────┐
│ LOCATION │
│ Nellar   │
└──────────┘
```

3·2: To retrieve the players detail whose name start with 'A',

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

PlayERID	TEAMID	FNAME	LNAME	Age	dateofBirth	playing
52	TCBol	Amar	J	22	21-sep-99	Batman
163	TCBOL	Akash	G	21	26-sep-99	Batomen
203	TRICBO1	Arun	T	24	22-oct-98	Batman

Email	contact-no
Amar@gmail.com	9292930508
Amarj@gmail.com	9292930610
Ganesh@gmail.com	9592905450

3-3: Add a column Batting and Bowling in player table

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

Table Altered

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

Table Altered

3·4: To count the number of Right-hand Batman 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	Adress	Contact_No
BID01	chennai cricket Board	chennai	9493716699
BID03	viluppuram cricket Board	viluppuram	9266286699
BID06	Tuticorin cricket Board	tuticorin	9933366699

3.6 : To select the Names and IDs of of players who are left-hand bowlers.

SQL > select playerID, FName & LName from player where Bowling = 'Left-hand';

player ID	FNAME	LNAME
1	Raj	N
18	kishore	k
1	prem	v

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

SQL > select a umpired ID from umpiRE a where umpired ID NOT IN (select umpired ID from Umpire - Umpired);

Result:

Umpired ID
UID03

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