CREATE TABLE Olympic\_Games(id int,name varchar(20),sport varchar(20),year bigint,country varchar(20),

gender varchar(20),age int,olympic\_city varchar(20),country\_code varchar(20),medal varchar(10));

INSERT INTO Olympic\_Games values(1,"chetan","running",2013,"india","male",23,"tokyo","ind","gold");

INSERT INTO Olympic\_Games values(2,"manu","shotput",2014,"china","male",26,"tokyo","chi","bronze");

INSERT INTO Olympic\_Games values(3,"prajwal","swimming",2016,"srilanka","male",24,"London","sl","silver");

INSERT INTO Olympic\_Games values(4,"Harish","javalin",2015,"Bangladesh","male",25,"Paris","ban","bronze");

INSERT INTO Olympic\_Games values(5,"Sumit","Badminton",2016,"England","male",26,"Paris","Eng","bronze");

INSERT INTO Olympic\_Games values(6,"Naveen","Boxing",2017,"pakistan","male",27,"Tokyo","pak","Gold");

INSERT INTO Olympic\_Games values(7,"Deepthi","Diving",2016,"Japan","Female",23,"Tokyo","Jap","Gold");

INSERT INTO Olympic\_Games values(8,"Brunda","Cycling",2015," Bermuda","Female",25,"Tokyo","Ber","Bronze");

INSERT INTO Olympic\_Games values(9,"Archana","Shooting",2016," Bhutan","Female",26,"Tokyo","Bhu","Gold");

INSERT INTO Olympic\_Games values(10,"Raju","Karate",2017," Brazil","Male",27,"Paris","Bra","Silver");

INSERT INTO Olympic\_Games values(11,"Kiran","Rugby",2016," Bulgaria","Male",26,"Paris","Bul","Gold");

INSERT INTO Olympic\_Games values(12,"Madhu","Snowboarding",2017," Canada","Male",26,"Landon","Can","Silver");

INSERT INTO Olympic\_Games values(13,"Shivu","Tug of War",2018," Colombia","Male",28,"Landon","Col","Gold");

INSERT INTO Olympic\_Games values(14,"Sahana","Fencing",2017,"Cuba","Female",23,"Tokyo","Cub","Gold");

INSERT INTO Olympic\_Games values(15,"Puja","Judo",2016,"Denmark","Female",28,"Tokyo","Den","Silver");

INSERT INTO Olympic\_Games values(16,"Sneha","Archery",2017,"France","Female",25,"Tokyo","Fra","Bronze");

INSERT INTO Olympic\_Games values(17,"Pavan","Biathlon",2018,"Germany","Male",27,"Tokyo","Ger","Gold");

INSERT INTO Olympic\_Games values(18,"Satya","Weightlifting",2017,"Greece","Male",26,"Landon","Gre","Silver");

INSERT INTO Olympic\_Games values(19,"Prakash","Water polo",2022,"Grenada","Male",26,"Landon","Grn","Gold");

INSERT INTO Olympic\_Games values(20,"keerthi","Shooting",2019,"india","Female",23,"Landon","ind","Gold");

SELECT \* FROM olympic\_Games WHERE id=5 AND gender="male";

SELECT \* FROM Olympic\_Games WHERE sport="running" OR medal="gold";

SELECT \* FROM Olympic\_Games WHERE id IN(1,7,14,20);

SELECT \* FROM Olympic\_Games WHERE gender NOT IN("male");

SELECT \* FROM Olympic\_Games WHERE age BETWEEN 23 AND 25;

SELECT \* FROM Olympic\_Games WHERE age NOT BETWEEN 24 AND 27;

SELECT \* FROM Olympic\_Games WHERE sport LIKE 'd%';

SELECT \* FROM Olympic\_Games WHERE country LIKE '%a';

SELECT \* FROM Olympic\_Games ORDER BY name;

SELECT \* FROM Olympic\_Games ORDER BY age desc;

SELECT DISTINCT(country),name FROM Olympic\_Games;

SELECT olympic\_city,INSTR(olympic\_city,'o') FROM Olympic\_Games;

SELECT olympic\_city,INSTR(olympic\_city,'o') AS position FROM Olympic\_Games;

SELECT name,SUBSTR(sport,2,4) FROM Olympic\_Games;

CREATE TABLE Airlines(id int,Plane\_name varchar(20),Plane\_Date varchar(20),Origin varchar(20),Destination varchar(20),

Departure\_time varchar(20),Landing\_time varchar(20),No\_of\_seats bigint,No\_of\_passengers bigint,Price bigint);

INSERT INTO Airlines values(1,'Indigo','15-10-2023','Bangalore','Mumbai','11:30am','02:45pm',500,423,2500);

INSERT INTO Airlines values(2,'Air india','18-10-2023','Bangalore','Channai','10:30am','12:45pm',550,454,3000);

INSERT INTO Airlines values(3,'Spicejet','20-10-2023','Mumbai','Channai','01:30pm','04:45pm',400,378,3500);

INSERT INTO Airlines values(4,'Air india express','21-10-2023','Pune','Channai','10:30pm','12:45am',600,530,3000);

INSERT INTO Airlines values(5,'Vistara','11-10-2023','Kolkata','Delhi','11:30am','03:45pm',500,430,2500);

INSERT INTO Airlines values(6,'Qatar airways','15-10-2023','Mumbai','Landon','11:30am','02:45am',500,330,5000);

INSERT INTO Airlines values(7,'Saudia','21-10-2023','Mumbai','Ranchi','11:30am','01:45pm',550,500,3500);

INSERT INTO Airlines values(8,'Emirates','17-10-2023','Pune','Bangalore','12:30pm','04:45pm',600,543,3000);

INSERT INTO Airlines values(9,'Bonza','20-10-2023','Jaipur','Hydrabad','11:30pm','02:45pm',500,451,3500);

INSERT INTO Airlines values(10,'BH air','22-10-2023','Patna','Srinagar','10:30pm','03:45pm',500,351,5000);

INSERT INTO Airlines values(11,'Daily air','11-10-2023','Mohali','Mumbai','10:00am','12:45pm',500,231,4000);

INSERT INTO Airlines values(12,'DOT LT','01-10-2023','Channai','Mumbai','10:00am','11:45pm',500,450,3600);

INSERT INTO Airlines values(13,'Nam Air','07-10-2023','Vishakapatam','kolkata','11:00am','12:45pm',550,450,5500);

INSERT INTO Airlines values(14,'Naysa','09-10-2023','Pune','Hubali','10:00am','12:45pm',500,400,3000);

INSERT INTO Airlines values(15,'Neos','10-10-2023','Hydrabad','Bangalore','11:00am','01:35pm',550,450,3600);

INSERT INTO Airlines values(16,'Nepal airlines','11-10-2023','Katmandu','Bangalore','10:00am','04:35pm',500,350,8000);

INSERT INTO Airlines values(17,'Nile air','16-10-2023','Bihar','Bangalore','11:00am','01:35pm',600,550,4000);

INSERT INTO Airlines values(18,'Taca','12-10-2023','Kolkata','Bangalore','12:00am','03:35am',500,432,4500);

INSERT INTO Airlines values(19,'Malaysia airlines','15-10-2023','Dubai','Bangalore','12:00am','05:35am',500,472,10000);

INSERT INTO Airlines values(20,'Manta air','18-10-2023','Abu dabi','Bangalore','12:00am','06:35am',500,372,12000);

SELECT \* FROM Airlines;

SELECT \* FROM Airlines WHERE id=2 AND destination="delhi";

SELECT \* FROM Airlines WHERE origin="banglore" OR no\_of\_seats=500;

SELECT \* FROM Airlines WHERE id IN(12,4,8,20);

SELECT \* FROM Airlines WHERE plane\_name NOT IN('vistara');

SELECT \* FROM Airlines WHERE id BETWEEN 3 AND 15;

SELECT \* FROM Airlines WHERE id NOT BETWEEN 6 AND 18;

SELECT \* FROM Airlines WHERE origin LIKE 'b%';

SELECT \* FROM Airlines WHERE origin LIKE '%i';

SELECT \* FROM Airlines ORDER BY plane\_name;

SELECT \* FROM Airlines ORDER BY no\_of\_seats desc;

SELECT DISTINCT(origin),plane\_name FROM Airlines;

SELECT plane\_name,INSTR(plane\_name,'i') FROM Airlines;

SELECT plane\_name,INSTR(plane\_name,'o') AS position FROM Airlines;

SELECT plane\_name,SUBSTR(destination,3,7) FROM Airlines;

SELECT \* FROM Airlines;

SELECT plane\_name,LENGTH(plane\_name) as length from Airlines;

UPPER:

SELECT UPPER(plane\_name) from Airlines;

LOWER:

SELECT LOWER(plane\_name) from Airlines;

LIKE, UPPER,LOWER, LENGTH, INSTR, SUBSTR, LTRIM,RTRIM,LPAD,RPAD

CONCAT:

SELECT \* FROM Airlines;

SELECT CONCAT(plane\_name,Origin,Destination,No\_of\_seats,Price) from Airlines;

Update Airlines SET plane\_name = 'Indigo ' where id = 1;

Update Airlines SET plane\_name = ' Spicejet ' where id = 2;

Update Airlines SET plane\_name = ' Vistara ' where id = 3;

SELECT plane\_name,LENGTH(plane\_name) from Airlines;

LTRIM: Left Remove

' INDIA '

SELECT LTRIM(plane\_name) from Airlines;

SELECT \* FROM bank;

INSERT INTO bank values(2,' HDFC ', '2023-12-01 01:30:23'),

(3,'AXIS ', '2023-12-01 08:30:23'),

(4,' ICICI ', '2023-12-01 07:30:23'),

(5,'SBM', '2023-12-01 06:30:23'),

(6,'UCO', '2023-12-01 05:30:23'),

(7,' BOB ', '2023-12-01 03:30:23'),

(8,' IDFC ', '2023-12-01 02:30:23');

SELECT LTRIM(b\_name) from bank;

RTRIM: Right Remove.

SELECT RTRIM(b\_name) from bank;

SELECT LTRIM(RTRIM(b\_name)) from bank;

AGGREGATE Functions:

1) COUNT:

SELECT \* FROM Airlines;

SELECT COUNT(\*) as no\_of\_data FROM Airlines;

SELECT COUNT(Destination) from Airlines;

SUM:

SELECT SUM(Price) FROM Airlines;

SELECT SUM(price) from Airlines WHERE id between 1 and 5;

SELECT SUM(price) from Airlines WHERE id >5;

MAX:

SELECT MAX(price) from Airlines;

MIN:

SELECT MIN(price) from Airlines;

AVG:

SUM OF COLUMN / no of data.

SELECT AVG(price) from Airlines;

DECIMAL:

CREATE TABLE gold(id int, g\_type varchar(20),

cost decimal(5,2));

SELECT \* FROM gold;

INSERT INTO gold values(1,'KDM', 300.50);

INSERT INTO gold values(2,'916', 200.50);

INSERT INTO gold values(3,'roldgold', 500.50);

INSERT INTO gold values(4,'umagold', 300.50);

ALTER TABLE gold ADD COLUMN shop varchar(20);

update gold set shop = 'Abc' where id = 1;

TCL: Transaction Control Language

1) Commit:

2) Rollback

Rollback;

commit;

update gold set g\_type = '916';

select \* from gold;

drop table gold;

Rollback;

commit;

Truncate table gold;

delete from gold where id in(1,3);

rollback;