SQL ORDER BY,GROUP BY ,HAVING CLAUSE

QUERIES

a.

Table : FLIGHT

FLCODE	START	DESTINATION	NO_STOPS	NO_FLIGHTS
IC101	DELHI	AGARTALA	1	5
IC102	MUMBAI	SIKKIM	1	3
IC103	DELHI	JAIPUR	0	7
IC105	KANPUR	CHENNAI	2	2
IC107	MUMBAI	KANPUR	0	4
IC431	INDORE	CHENNAI	3	2
IC121	DELHI	AHMEDABAD	2	6

Write SQL queries w/r to FLIGHT table data

i. Display flight codes, starting place, destination, number of flights in descending order of number of flights.

ii. Count and display number of flights starting from each city(START).

iii. Count and display number of flights starting from each city(START) where number of stops more than 2.

iv. Display flight data in ascending order of no of stops

v. Count and display number of flights reaching at each destination.

vi. Count and display number of flights without stops

b.

Table : Store

StoreId	Name	Location	City	NoOfEmployees	DateOpened	SalesAmount
S101	Planetfashion	KarolBagh	Delhi	7	2015-10-16	300000
S102	Trends	Nehru Nagar	Mumbai	11	2015-08-09	400000
S103	Vogue	Vikas Vihar	Delhi	10	2015-06-27	200000
S104	Superfashion	Defence Colony	Delhi	8	2015-02-18	450000
S105	Rage	Bandra	Mumbai	5	2015-09-22	600000

Write SQL queries w/r to store table data

i. To display name, location, city, SalesAmount of stores in descending order of SalesAmount.

ii. To display total SalesAmount of each city along with city name.

iii. To display total number of employees of each city along with city name.

iv. To display total number of employees of each city along with city name where total employee of a city >15.

v. To display total sales amount of each city along with city name.

c.

Table : Gym

Mcode	Mname	Gender	Age	FeeGiven	Type	DtAdmit
1	Amit	Male	35	6000	Monthly	2016-01-23
2	Rashmi	Female	25	8000	Monthly	2016-09-23
3	George	Male	42	24000	Yearly	2011-06-27
4	Fawad	Male	27	12000	Quarterly	2012-10-16
5	Samit	Male	54	6000	Monthly	2015-09-20
6	Lakshmi	Female	43	4500	Monthly	2016-01-15
7	Samita	Female	22	500	Guest	2017-01-23
8	Michael	Male	51	24000	Yearly	2013-07-18
9	DayaChand	Male	44	100000	Life	2012-09-08
10	Ajit	Male	33	12000	Quarterly	2015-06-26

Write SQL queries w/r to Gym table data

i. To display Mcode, Mname, Age of all female members of the Gym with age in descending order.

ii. To count the number of members of the Gym of each type.

iii. To display the type alongwith maximum and minimum fees of each type.

iv. To display types of memberships available. Duplicate values should not bedisplayed.

v. To display total fee given by each gender in Gym.

vi. To display the average age of each gender in Gym

vii. To display sum of fee given in each membership type

d.

(Table : Salesperson)

SID	Name	Phone	DOB	Salary	Area
S101	Amit Kumar	98101789654	1967-01-23	67000.00	North
S102	Deepika Sharma	99104567834	1992-09-23	32000.00	South
S103	Vinay Srivastav	98101546789	1991-06-27	35000.00	North
S104	Kumar Mehta	88675345789	1967-10-16	40000.00	East
S105	Rashmi Kumar	98101567434	1972-09-20	50000.00	South

Write SQL queries w/r to Salesperson table data

i.   To display Names and Salaries of Salespersons in descending order of salary.

ii. To display areas in which Salespersons are working. Duplicate Areas should not be displayed.

iii. To display Area along with number of Salespersons working in that area.

iv. To display total salary paid in each area

v.   To display name of salesperson from the area where no of salesperson more than 1