create table room\_master(

room\_number int primary key,

room\_type varchar2(50),

room\_description varchar2(50),

room\_charge number

)

insert into room\_master values (101,'gen','generalroom',450)

insert into room\_master values (102,'gen','generalroom',450)

insert into room\_master values (201,'sem','semi\_delux',950)

insert into room\_master values (202,'sem','semi\_delux',950)

insert into room\_master values (301,'del','delux',1500)

insert into room\_master values (302,'del','delux',1500)

insert into room\_master values (401,'icu','intensive care unit',3500)

insert into room\_master values (402,'icu','intensive care unit',3500)

create table billing\_master(

cons\_id int primary key,

billing\_month number,

cons\_type varchar2(50),

last\_reading number,

current\_reading number,

total\_unit number,

electricity\_charge number

)

insert into billing\_master values(10001,1202,'reg',1200,1505,0,0)

insert into billing\_master values(10002,1202,'reg',800,1479,0,0)

insert into billing\_master values(10003,1202,'reg',2800,3245,0,0)

insert into billing\_master values(20001,1202,'htc',4500,5134,0,0)

insert into billing\_master values(20002,1202,'htc',5000,5545,0,0)

insert into billing\_master values(20003,1202,'htc',1200,4578,0,0)

insert into billing\_master values(30001,1202,'com',2200,2567,0,0)

insert into billing\_master values(30002,1202,'com',2500,3323,0,0)

insert into billing\_master values(30003,1202,'com',1200,3400,0,0)

ASSIGNMENT-6

create table flight\_master(

flightid int primary key,

flight\_from varchar(50),

flight\_to varchar(50),

dep\_time varchar(50),

arr\_time varchar(50),

freight int);

insert into flight\_master values(10001,'baroda','bombay','07:30 am','06:00 am',4500);

insert into flight\_master values(10002,'baroda','delhi','10:30 am','09:00 am',7500);

insert into flight\_master values(10003,'baroda','calcutta','07:30 pm','05:00 pm',7500);

insert into flight\_master values(10004,'baroda','amritsar','04:45 pm','03:00 pm',4500);

insert into flight\_master values(10005,'baroda','bombay','08:45 pm','07:00 pm',4500);

insert into flight\_master values(10006,'baroda','calcutta','08:30 pm','07:15 pm',7500

create table fee\_master(

student\_standard int primary key,

term\_fee int,

library\_fee int,

development\_fee int,

computer\_fee int,

sport\_fee int);

insert into fee\_master values(1,450,120,230,800,80);

insert into fee\_master values(2,550,220,330,1100,370);

insert into fee\_master values(3,750,390,470,1500,410);

insert into fee\_master values(4,880,560,520,2300,500);

insert into fee\_master values(5,950,660,680,2500,680);

STOCK

CREATE TABLE STOCK

(

CARTON\_NO INT PRIMARY KEY,

CARTON\_TYPE NUMBER,

YARN\_TYPE VARCHAR2(255),

SHADE\_CODE VARCHAR2(255),

COPS\_TYPE VARCHAR2(255),

PKG\_DATE DATE,

GROSS\_WEIGHT NUMBER,

NET\_WEIGHT NUMBER

);

INSERT INTO STOCK VALUES(10001,1,'POY',101,1,'23-DEC-02',220.5,0);

INSERT INTO STOCK VALUES(10002,1,'PFY',102,2,'23-DEC-02',250.79,0);

INSERT INTO STOCK VALUES(10003,1,'LOY',103,3,'23-DEC-02',350.79,0);

INSERT INTO STOCK VALUES(10004,2,'POY',101,1,'24-DEC-02',150.24,0);

INSERT INTO STOCK VALUES(10005,2,'PFY,102,2,'24-DEC-02',180.25,0);

INSERT INTO STOCK VALUES(10006,2,'LOY',103,3,'24-DEC-02',140.775,0);

INSERT INTO STOCK VALUES(10007,3,'PFY',101,1,'25-DEC-02',340.55,0);

INSERT INTO STOCK VALUES(10008,3,'POY',102,2,'25-DEC-02',350.25,0);

INSERT INTO STOCK VALUES(10009,3,'LOY',103,3,'25-DEC-02',370.35,0);

INSERT INTO STOCK VALUES(10010,3,'LOY',102,1,'26-DEC-02',350.435,0);

INSERT INTO STOCK VALUES(10011,2,'POY',103,3,'26-DEC-02',220.238,0);

INSERT INTO STOCK VALUES(10012,1,'LOY',101,2,'27-DEC-02',120.268,0);

INSERT INTO STOCK VALUES(10013,2,'POY',103,3,'27-DEC-02',150.735,0);

INSERT INTO STOCK VALUES(10014,1,'PFY',103,1,'27-DEC-02',280.15,0);

CREATE TABLE PASSENGER\_DETAILS

(

PASSENGER\_ID INT PRIMARY KEY,

FLIGHT\_DATE DATE,

FLIGHT\_ID NUMBER,

PASSENGER\_NAME VARCHAR2(255),

ADDRESS VARCHAR2(255),

PINCODE\_NO NUMBER,

NO\_OF\_PASSENGERS NUMBER,

EXTRA\_CHARGES NUMBER

);

INSERT INTO PASSENGER\_DETAILS VALUES(20001,'05-JAN-03',10001','A.B.TIVARI','ABC STREET BARODA',345245,31,0)

INSERT INTO PASSENGER\_DETAILS VALUES(20003,'09-JAN-03',10002,'C.D.PATIL','CDE STREET BARODA',3455234,31,0)

INSERT INTO PASSENGER\_DETAILS VALUES(20004,'09-JAN-03',10003,'A.D.PATIL','CDE STREET BARODA',3444234,10,0)

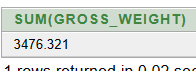
INSERT INTO PASSENGER\_DETAILS VALUES(20005,'09-JAN-03',10003,'D.B.PATIL','CDE STREET BARODA',3477234,32,0)

INSERT INTO PASSENGER\_DETAILS VALUES(20007,'09-JAN-03',10001,'E.F.DEOL','EFD STREET BARODA',342737,11,0)

INSERT INTO PASSENGER\_DETAILS VALUES(20006,'10-JAN-03',10002,'F.G.DEOL','FGH STREET BARODA',3642435,45,0)

USING AGGREGATE FUNCTIONS

SELECT SUM(gross\_weight) FROM stock;



SELECT AVG(room\_charge)FROM room\_master;



SELECT MAX(current\_reading), MIN(current\_reading), AVG(last\_reading) FROM billing\_master;



SELECT SUM(gross\_weight),COUNT(carton\_no)FROM stock WHERE yarn\_type = 'POY';



SELECT AVG(room\_charge) FROM room\_master WHERE room\_type in ('GEN','DEL');



SELECT MAX(current\_reading), MIN(current\_reading),AVG(last\_reading)FROM billing\_master WHERE cons\_type = 'REG';

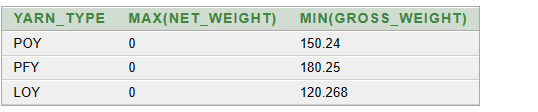


GROUP BY:

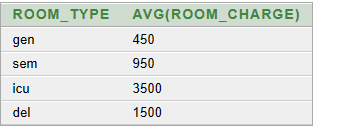
SELECT carton\_type, AVG(net\_weight),SUM(gross\_weight)FROM stock GROUP BY carton\_type;



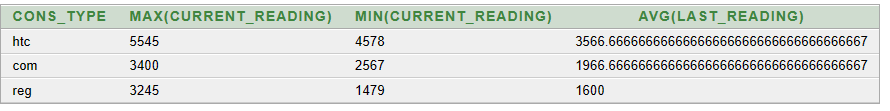
SELECT yarn\_type,MAX(net\_weight),MIN(gross\_weight)FROM stock GROUP BY yarn\_type;



SELECT room\_type,AVG(room\_charge)FROM room\_master GROUP BY room\_type;



SELECT cons\_type,MAX(current\_reading),MIN(current\_reading),AVG(last\_reading)FROM billing\_master GROUP BY cons\_type;



SELECT TO\_CHAR(pkg\_date,'DD'),COUNT(carton\_no),SUM(gross\_weight) FROM stock GROUP BY TO\_CHAR(pkg\_date,'DD');

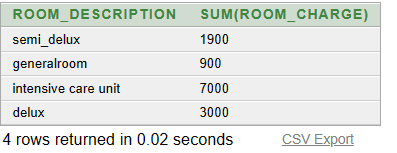
EXERCISE:

Display packing month and yarn\_type wise total gross\_weight from stock table.

select pkg\_date , sum(gross\_weight) from stock group by yarn\_type

Display room description wise total room\_charge from room\_master table.

select room\_description, SUM(room\_charge) from room\_master group by room\_description

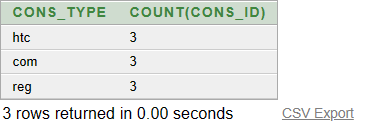


Display billing\_month and cons\_type wise total unit(current\_reading - last\_reading) from billing\_information table.

select billing\_month , SUM(total\_unit) from billing\_master group by cons\_type

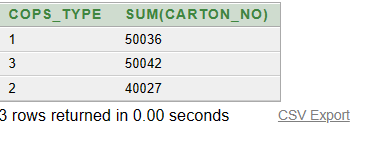
Display cons\_type wise total no. of consumers from billing\_information.

select cons\_type, count(cons\_id) from billing\_master group by cons\_type



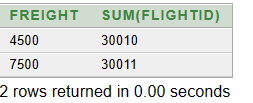
Display cops\_type wise total no. of cartons from stock table.

select cops\_type, sum(carton\_no) from stock group by cops\_type



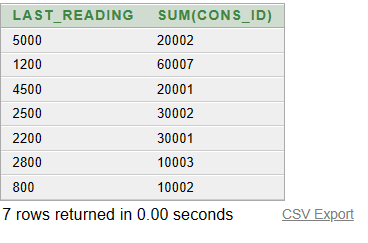
Display freight wise total no. of flights from flight\_master.

select freight , sum(flightid) from flight\_master group by freight



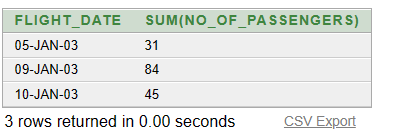
Diaplay last\_reading wise total no. of consumers from the billing information table.

select last\_reading, sum(cons\_id) from billing\_master group by last\_reading



Display journey\_date wise total no. of passengers from passenger\_details table.

select flight\_date , sum(no\_of\_passengers) from passenger\_details group by flight\_date



Display flightid wise total no. of passengers from passenger\_details table.

select flight\_id , sum(no\_of\_passengers) from passenger\_details group by flight\_id

