CYCLESHEET 1

M.S.SANJAY

15BCE0517

SQL> create table emptable (empid numeric(6),name varchar(10),city varchar(10),phoneno numeric(10),dob date,sex varchar(1),salary numeric(8,2),department varchar(10));

Table created.

SQL> insert into emptable values(123456,'rahul','chennai',9442315789,'1-Aug-06','m',12000.00,'software');

1 row created.

SQL> insert into emptable values(123457,'roshan','delhi',5564315789,'15-JUN-09','m',18000.00,'hardware');

1 row created.

SQL> insert into emptable values(123458,'anjali','mumbai',4563214587,'19-JUN-09','f',21000.00,'server');

1 row created.

SQL> insert into emptable values(123459,'radha','mumbai',7895464587,'29-JUN-09','f',26000.00,'electrical');

1 row created.

SQL> insert into emptable values(123460,'ravi','hyderabad',1258965476,'05-Jan-03','m',50000.00,'electronic');

1 row created.

SQL> select \* from emptable;

EMPID NAME CITY PHONENO DOB S SALARY DEPARTMENT

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123456 rahul chennai 9442315789 01-AUG-06 m 12000 software

123457 roshan delhi 5564315789 15-JUN-09 m 18000 hardware

123458 anjali mumbai 4563214587 19-JUN-09 f 21000 server

123459 radha mumbai 7895464587 29-JUN-09 f 26000 electrical

123460 ravi hyderabad 1258965476 05-JAN-03 m 50000 electronic

SQL> select empid,name,salary+0.05\*salary as "increased salary" from emptable;

EMPID NAME increased salary

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123456 rahul 12600

123457 roshan 18900

123458 anjali 22050

123459 radha 27300

123460 ravi 52500

SQL> select count(empid) as count\_employee from emptable;

COUNT\_EMPLOYEE

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5

SQL> select \* from emptable where city='chennai';

EMPID NAME CITY PHONENO DOB S SALARY DEPARTMENT

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123456 rahul chennai 9442315789 01-AUG-06 m 12000 software

SQL> select min(salary) from emptable group by department;

MIN(SALARY)

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21000

50000

12000

26000

18000

SQL> select avg(salary) from emptable;

AVG(SALARY)

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25400

SQL> select name from emptable order by name;

NAME

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anjali

radha

rahul

ravi

roshan

SQL> select name from emptable order by name desc;

NAME

----------

roshan

ravi

rahul

radha

anjali

SQL> select name from emptable order by city;

NAME

----------

rahul

roshan

ravi

radha

anjali

SQL> select name,city from emptable order by city asc;

NAME CITY

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rahul chennai

roshan delhi

ravi hyderabad

radha mumbai

anjali mumbai

SQL> select sum(salary),department from emptable group by department;

SUM(SALARY) DEPARTMENT

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21000 server

50000 electronic

12000 software

26000 electrical

18000 hardware

SQL> select min(dob) from emptable;

MIN(DOB)

---------

05-JAN-03

SQL> select max(dob) from emptable;

MAX(DOB)

---------

29-JUN-09

SQL> alter table emptable add age numeric;

Table altered.

SQL> update emptable set age=21 where empid=123456;

1 row updated.

SQL> update emptable set age=22 where empid=123457;

1 row updated.

SQL> update emptable set age=23 where empid=123458;

1 row updated.

SQL> update emptable set age=24 where empid=123459;

1 row updated.

SQL> update emptable set age=25 where empid=123460;

1 row updated.

SQL> select avg(age) from emptable group by sex;

AVG(AGE)

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22.6666667

23.5

SQL> select max(age) from emptable;

MAX(AGE)

----------

25

SQL> select \* from emptable where dob like '%AUG%';

EMPID NAME CITY PHONENO DOB S SALARY DEPARTMENT

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AGE

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123456 rahul chennai 9442315789 01-AUG-06 m 12000 software

21

SQL> select \* from emptable where dob like '%JUL%';

no rows selected

SQL> select min(count(empid)) from emptable group by department;

MIN(COUNT(EMPID))

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1

SQL> select dob as DateODBirth from emptable;

DATEODBIR

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01-AUG-06

15-JUN-09

19-JUN-09

29-JUN-09

05-JAN-03

SQL> alter table emptable rename column dob to DateOfBirth;

Table altered.

SQL> select distinct(department) from emptable group by department;

DEPARTMENT

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server

electronic

software

electrical

hardware

SQL> select name,DateOfBirth from emptable where DateOfBirth like '%JAN%';

NAME DATEOFBIR

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ravi 05-JAN-03

SQL> select avg(salary) from emptable group by department;

AVG(SALARY)

-----------

21000

50000

12000

26000

18000

SQL> select avg(salary),department from emptable group by department;

AVG(SALARY) DEPARTMENT

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21000 server

50000 electronic

12000 software

26000 electrical

18000 hardware

SQL> select count(\*),department from emptable group by department;

COUNT(\*) DEPARTMENT

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1 server

1 electronic

1 software

1 electrical

1 hardware

SQL> select name from emptable where sex='m' and dateofbirth in (select min(dateofbirth) from emptable where dateofbirth like '%-80' group by dateofbirth);

no rows selected