CYCLESHEET2

SQL> create table employee (emp\_id numeric(6) not null,first\_name varchar(20),last\_name varchar(25) not null,email varchar(25) not null,phonenumber varchar(15) not null,hiredate date not null,job\_id varchar(25) not null,salary numeric(8,2),manager\_id numeric(6),department\_id numeric(4));

Table created.

SQL> insert into employee values(123456,'r','krishnan','raghav@gmail.com','98765456321','12-Jun-16','5687',1235.25,4568,235);

1 row created.

SQL> insert into employee values(123456,'s','ravi','ravi@gmail.com','98765456388','13-Jun-16','5887',2835.25,4569,236);

1 row created.

SQL> insert into employee values(123458,'s','rahul','rahul@gmail.com','98765456399','14-Jun-16','5387',2735.25,4560,237);

1 row created.

SQL> insert into employee values(123477,'r','raja','raja@gmail.com','93565456399','15-Jun-16','5987',2735.25,4564,237);

1 row created.

SQL> insert into employee values(123327,'m','gandhi','gandhi@gmail.com','96665456399','16-Jun-16','8987',2775.25,2564,437);

1 row created.

1)

SQL> select (12\*salary)+0.1\*salary as "annual income" from employee;

annual income

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14946.525

34306.525

33096.525

33096.525

33580.525

2)

SQL> select last\_name,hiredate from employee where hiredate between '01-JAN-95' and '31-DEC-95';

no rows selected

3)

SQL> select sum(salary),avg(salary) from employee;

SUM(SALARY) AVG(SALARY)

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12316.25 2463.25

SQL> alter table employee add job\_title varchar(25);

Table altered.

SQL> update employee set job\_title='sales representative' where emp\_id=123456;

2 rows updated.

SQL> update employee set job\_title='manager' where emp\_id=123458;

1 row updated.

SQL> update employee set job\_title='assistant professor' where emp\_id=123477;

1 row updated.

SQL> update employee set job\_title='clerk' where emp\_id=123327;

1 row updated.

SQL> alter table employee add department\_name varchar(25);

Table altered.

SQL> update employee set department\_name='management' where emp\_id=123456;

2 rows updated.

SQL> update employee set department\_name='management' where emp\_id=123458;

1 row updated.

SQL> update employee set department\_name='education' where emp\_id=123477;

1 row updated.

SQL> update employee set department\_name='administration' where emp\_id=123327;

1 row updated.

SQL>

4)

SQL> select \* from employee where salary>15000 or job\_title='sales representative';

EMP\_ID FI LAST\_NAME EMAIL

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PHONENUMBER HIREDATE JOB\_ID SALARY MANAGER\_ID

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DEPARTMENT\_ID JOB\_TITLE DEPARTMENT\_NAME

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123456 r krishnan raghav@gmail.com

98765456321 12-JUN-16 5687 1235.25 4568

235 sales representative management

123456 s ravi ravi@gmail.com

98765456388 13-JUN-16 5887 2835.25 4569

236 sales representative management

EMP\_ID FI LAST\_NAME EMAIL

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PHONENUMBER HIREDATE JOB\_ID SALARY MANAGER\_ID

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DEPARTMENT\_ID JOB\_TITLE DEPARTMENT\_NAME

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5)SQL> select emp\_id,last\_name,hiredate from employee order by salary;

EMP\_ID LAST\_NAME HIREDATE

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123456 krishnan 12-JUN-16

123458 rahul 14-JUN-16

123477 raja 15-JUN-16

123327 gandhi 16-JUN-16

123456 ravi 13-JUN-16

6)

SQL> select first\_name,last\_name,department\_name from employee where job\_title='manager' and salary in (select max(salary) from employee group by job\_title );

FI LAST\_NAME DEPARTMENT\_NAME

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s rahul management

19)

SQL> select count(\*) as "sales" from employee where department\_name='sales';

sales

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3

SQL> select count(\*) from employee where department\_name='technical';

COUNT(\*)

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0

20)

SQL> select department\_name,first\_name from employee order by department\_name asc,first\_name desc;

DEPARTMENT\_NAME FI

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sales s

management s

sales r

design r

sales m