CYCLE SHEET 3

1)

SQL> create table emp(ename varchar(20) not null,eno number(5) not null ,salary number(10,2) check(salary>1000),deptno number(4), address varchar(15) not null,dname varchar(10) not null,primary key(eno));

Table created.

a)SQL> insert into emp values('ram',12345,15000,1111,'chennai','cse');

1 row created.

SQL> insert into emp values('krishna',12346,16000,1112,'chennai','ece');

1 row created.

SQL> insert into emp values('narasimha',12347,17000,1113,'mumbai','eee');

1 row created.

SQL> insert into emp values('raja',12348,18000,1114,'mumbai','it');

1 row created.

SQL> insert into emp values('ravi',12349,19000,1115,'delhi','it');

1 row created.

b)

SQL> select ename,salary from emp where salary>5000;

ENAME SALARY

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ram 15000

krishna 16000

narasimha 17000

raja 18000

ravi 19000

c)

SQL> select ename,salary from emp where not(salary>5000 and salary<12000);

ENAME SALARY

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ram 15000

krishna 16000

narasimha 17000

raja 18000

ravi 19000

d)

SQL> alter table emp drop primary key;

Table altered.

e)

SQL> alter table emp add primary key(eno);

Table altered.

g)

SQL> update emp set salary=1.1\*salary;

5 rows updated.

h)

SQL> delete from emp where ename='AAA';

0 rows deleted.

2)

SQL> create table order1(orderno int constraint pkorderno primary key,itemname varchar(30) constraint itn unique,qty int constraint ckaty check(25<qty and qty<30),rateunit int constraint nnrate not null);

Table created.

a)

SQL> create table order1(orderno int constraint pkorderno primary key,itemname varchar(30) constraint itn unique,qty int constraint ckaty check(25<qty and qty<30),rateunit int constraint nnrate not null);

Table created.

b)

SQL> alter table order1 drop constraint pkorderno;

Table altered.

c)

SQL> alter table order1 add constraint pkorderno primary key(orderno);

Table altered.

d)

SQL> alter table order1 disable constraint nnrate;

Table altered.

e)

SQL> insert into order1 values(12345,'horlicks',27,null);

1 row created.

f)

SQL> alter table order1 modify constraint nnrate enable;

Table altered.

g)

SQL> alter table order1 modify constraint nnrate enable;

alter table order1 modify constraint nnrate enable

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ERROR at line 1:

ORA-02293: cannot validate (15BCE0517.NNRATE) - check constraint violated

h)

SQL> alter table order1 drop constraint nnrate;

Table altered.

3)

SQL> create table supplier(suppid number(4) primary key,suppname varchar(15) not null,city varchar(15),state varchar(15));

Table created.

SQL> create table purchaseord(poid number(4) primary key,orddt date,shipdt date,suppid number(4) ,ordqty number(10) not null,foreign key(suppid) references supplier);

Table created.

a)

SQL> delete from supplier where suppid!=(select suppid from purchaseord);

0 rows deleted.

b)

SQL> alter table supplier add unique(city);

Table altered.

c)

SQL> alter table supplier modify state varchar(15) not null;

Table altered.

d)

SQL> alter table supplier modify city varchar(15) not null;

Table altered.

e)SQL> alter table purchaseord modify orddt date not null;

Table altered.

SQL> alter table purchaseord modify shipdt date not null;

Table altered.

f)

SQL> alter table purchaseord modify shipdt date null;

Table altered.

g)

SQL> insert into supplier values (7895,'krishna','chennai','tamil nadu');

1 row created.

SQL> insert into purchaseord values(1234,'12-JAN-98',null,7895,5);

1 row created.

7)SQL> select max(salary),min(salary) from employee;

MAX(SALARY) MIN(SALARY)

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2835.25 1235.25

8)

SQL> select last\_name,hiredate from employee where hiredate like'%1994';

no rows selected

9)

SQL> select first\_name,job\_title from employee where manager\_id ='';

no rows selected

10)

SQL> select initcap(first\_name),',',last\_name,',',emp\_id from employee;

IN ' LAST\_NAME ' EMP\_ID

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R , krishnan , 123456

S , ravi , 123456

S , rahul , 123458

R , raja , 123477

M , gandhi , 123327

11)

SQL> select last\_name from employee where substr(last\_name,3,1)= 'a';

no rows selected

12)

SQL> select avg(salary) from employee;

AVG(SALARY)

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2463.25

SQL> select avg(salary)\*12 from employee;

AVG(SALARY)\*12

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29559

13)SQL> select mod(salary,5000) from employee where job\_title='sales';

no rows selected

14)

SQL> select instr(last\_name,'a') from employee;

INSTR(LAST\_NAME,'A')

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7

2

2

2

2

15)

SQL> select emp\_id,last\_name,job\_id from employee where job\_id like 'SA%';

no rows selected

16)SQL> select last\_name,job\_title,salary from employee where job\_title in ('sales','stock clerk') and salary not in (2500,3400,7000);

no rows selected

17)

SQL> select sysdate as "Date" from employee;

Date

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11-AUG-16

11-AUG-16

11-AUG-16

11-AUG-16

11-AUG-16

18)SQL> update employee set age=35 where emp\_id=123456;

2 rows updated.

SQL> update employee set age=25 where emp\_id=123458;

1 row updated.

SQL> update employee set age=45 where emp\_id=123477;

1 row updated.

SQL> update employee set age=32 where emp\_id=123327;

1 row updated.

SQL> select count(\*) from employee where age>30;

COUNT(\*)

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4

19)