(2)table:customer

Create table CUSTOMER( customer\_no varchar2(4) primary key, customer\_name varchar2(20), customer\_city varchar2(20) ); 2)create table ITEM ( item\_no varchar2(6) primary key, item\_name varchar2(20), unit\_price number(7,2) ); 3)create table WAREHOUSE ( warehouse\_no varchar2(6) primary key, warehouse\_name varchar2(25), warehouse\_city varchar2(20) ); 4)create table CORDER ( order\_no number(4) primary key, order\_date date, customer\_no references CUSTOMER(customer\_no), order\_amount number(8,2) ); 5)create table ORDER\_ITEM ( order\_no references CORDER(order\_no), item\_no references ITEM(item\_no), quantity number(4) ); 6)create table SHIPMENT ( order\_no references CORDER(order\_no), warehouse\_no references WAREHOUSE(warehouse\_no), ship\_date date);

To the table Customer : insert into customer values ('CU01','Amar','Tumkur'); To the table Item : insert into item values ('ITM001','Soap',15); To the table Warehouse : insert into warehouse values ('WNO1','SSS Enterprises','Bangalore'); To the table Corder : insert into corder values (1,'12-jan-2010','CU01',5000); To the table Order\_item : insert into order\_item values (1,'ITM001',50); To the table Shipment : insert into shipment values (1,'WNO1','15-Jan-2010');

1)SQL> select order\_no, warehouse\_name,ship\_date,warehouse\_city from shipment, warehouse where shipment.warehouse\_no = warehouse.warehouse\_no and warehouse\_city='Bangalore' 2)SQL > select customer\_name, count(customer\_name) as NoofOrders, sum(order\_amount) as Total\_amount, Avg(order\_amount) as Average\_amount from customer, corder where customer.customer\_no = corder.customer\_no group by customer\_name 3)SQL > select warehouse\_name, count(warehouse\_name) as NoofOrders from shipment, warehouse where shipment.warehouse\_no = warehouse.warehouse\_no group by warehouse\_name 4)SQL > select warehouse\_name, count(warehouse\_name) as NoofOrders from shipment, warehouse where shipment.warehouse\_no = warehouse.warehouse\_no group by warehouse\_name having count(warehouse\_name) > 2 5)SQL> select customer\_name, count(customer\_name) from corder, customer where corder.customer\_no = customer.customer\_no group by customer\_name having count(customer\_name) > 3

4)STUDENT (regno: string, name: string, major: string, bdate: date) COURSE (course#: int, cname#: string, SQL > select reg\_no, student\_name, birth\_date, to\_char(birth\_date,'Month') from student where to\_char(birth\_date,'Mon') = 'Apr' 1)SQL> select reg\_no, student\_name, to\_char(sysdate, 'yyyy') - to\_char(birth\_date,'YYYY') as age from student where to\_char(sysdate, 'yyyy') - to\_char(birth\_date,'YYYY') between 17 and 19 2)SQL> select student\_name,course\_name,semester,marks from student,course,enroll where student.reg\_no=enroll.reg\_no and enroll.course\_no=course.course\_no and marks >= 750 3)SQL > update enroll set marks = marks+(marks\*0.1) where semester = 'I Semester' and reg\_no in (select reg\_no from enroll where course\_no in ( select course\_no from course where department='CS Dept') ) 4)SQL> select department from course where course\_no not in ( select course.course\_no from course,book\_adoption where course.course\_no = book\_adoption.course\_no) 5)SQL> select department from course where course\_no not in ( select course.course\_no from course,enroll where course.course\_no = enroll.course\_no) 6)SQL > delete from course where department = 'EC Dept';

(5)Employee (empno: number, empname: string, job: string, manager: number (self reference key), hiredate:

create table Department ( deptno number(2) primary key, deptname varchar2(30), location varchar2(20) ); create table Employee ( empno number(4) primary key, empname varchar2(20), job varchar2(15), manager number(4), hiredate date, salary number(8,2), commission number(8,2), deptno references Department(deptno) ); create table SalaryGrade ( grade number(2) primary key, lowsalary number(8,2), highsalary number(8,2) );

INSERT To the table : Department : insert into department values (10, ‘ACCOUNTING’, ‘NEW YORK’); To the table : Employee : insert into Employee values ( 7369, ’SMITH’, ’CLERK’, 7902,’17-DEC-80’, 800, Null, 20); To the table : SalaryGrade : insert into SalaryGrade values (1, 700, 1200); SQL1 > select \* from employee Where hiredate < ‘30-Sep-81’ SQL2 > select \* from employee Where hiredate between ’01-jun-81’ and ’31-dec-81’; SQL 3 > select \* from employee where manager is null; SQL4 > select empname from employee where empname like ‘\_\_A%’; SQL5 > select empname from employee where empname not like ‘A%’ and empname not like ‘%A’ and empname like ‘%A%’ SQL 6> select empno, empname, to\_char(sysdate,’YYYY’) – to\_char(hiredate,’YYYY’) as Experience from employee where to\_char(sysdate,’YYYY’) – to\_char(hiredate,’YYYY’) > 25; SQL7 > select empno, empname, salary\*0.10 as PF, salary\*0.50 as HRA, salary\*0.30 as DA, (salary\*0.10 + salary\*0.50 + salary\*0.30 + salary) as from employee; SQL 8> select deptname, count(deptname) as noofemps, sum(salary) as Total\_salary, avg(salary) as avg\_salary, max(salary) as Maximum\_salary, min(salary) as Minimum\_salary From employee, department Where employee.deptno=department.deptno Group by deptname; SQL 9> select job, count(job) as noofemps, sum(salary) as Total\_salary, avg(salary) as avg\_salary, max(salary) as Maximum\_salary, min(salary) as Minimum\_salary From employee Group by job;