**Lab 1 answers**

create table client(

clno char(3),

name varchar(12),

address varchar(30),

constraint client\_pk primary key(clno)

)

create table stock(

company char(7),

price number(6,2),

dividend number(4,2),

eps number(4,2)

)

alter table stock

add constraint stock\_pk primary key(company);

create table trading(

company char(7),

exchange varchar(12),

constraint trading\_pk primary key(company,exchange),

constraint trading\_fk foreign key(company) references stock(company)

)

create table purchase(

clno char(3),

company char(7),

pdate date,

qty number(6),

price number(6,2),

constraint purchase\_pk primary key(clno,company,pdate),

constraint purchase\_fk\_clno foreign key(clno) references client(clno),

constraint purchase\_fk\_company foreign key(company) references stock(company)

)

select \* from client;

select \* from stock;

select \* from trading;

select \* from purchase;

insert into client values('c01','John Smith','3 East Av, Bentley, WA 6102');

insert into client values('c02','Jill Brody','42 Bent St,Perth,WA 6001');

insert into stock values('BHP',10.50,1.50,3.20);

insert into stock values('IBM',70.00,4.25,10.00);

insert into stock values('INTEL',76.50,5.00,12.40);

insert into stock values('FORD',40.00,2.00,8.50);

insert into stock values('GM',60.00,2.50,9.20);

insert into stock values('INFOSYS',45.00,3.00,7.80);

insert into trading values('BHP','Sydney');

insert into trading values('BHP','New York');

insert into trading values('IBM','New York');

insert into trading values('IBM','London');

insert into trading values('IBM ','Tokyo');

insert into trading values('INTEL','New York');

insert into trading values('INTEL','London');

insert into trading values('GM','New York');

insert into trading values('INFOSYS','New York');

insert into trading values('FORD','New York');

insert into purchase values('c01','BHP','02-OCT-01',1000,12.00);

insert into purchase values('c01','BHP','08-JUN-02',1000,12.00);

insert into purchase values('c01','IBM','12-FEB-00',1000,12.00);

insert into purchase values('c01','IBM','10-APR-01',1000,12.00);

insert into purchase values('c01','INFOSYS','11-aug-01',1000,12.00);

insert into purchase values('c02','INTEL','03-JAN-00',1000,12.00);

insert into purchase values('c02','INTEL','03-JAN-01',1000,12.00);

insert into purchase values('c02','INTEL','02-OCT-01',1000,12.00);

insert into purchase values('c02','FORD','05-OCT-99',1000,12.00);

insert into purchase values('c02','GM','12-DEC-00',1000,12.00);

1)

select c.name, s.company,s.price,s.dividend,s.eps

from purchase p

inner join client c on c.clno = p.clno

inner join stock s on s.company = p.company

2)