Question 1:

Query c:

SELECT custid, name, sum(qty\*price) as product

FROM customer AS c

JOIN sales AS s

ON c.custid = s.customerid

NATURAL JOIN salesdetails AS sd

group by custid,name

order by product desc limit 1

Query d:

SELECT i.name, sd.itemcode, sum(qty) as total

FROM salesdetails AS sd

JOIN items as i

ON i.code = sd.itemcode

JOIN sales AS s

ON s.invno = sd.invno

group by itemcode, name

order by total desc offset 1 limit 1

Query e:

SELECT customerid, c.name , sum(price-averagepurchaseprice) as total

FROM salesdetails AS sd

JOIN items as i

ON i.code = sd.itemcode

JOIN sales AS s

ON s.invno = sd.invno

JOIN customer as c

ON s.customerid = c.custid

group by customerid, c.name

order by total desc limit 1

Query f:

SELECT i.name, i.code, sum(qty) as total

FROM salesdetails AS sd

JOIN items as i

ON i.code = sd.itemcode

JOIN sales AS s

ON s.invno = sd.invno

group by i.code, i.name

order by total desc limit 1

Query g:

SELECT DISTINCT i.code, c.\*

FROM salesdetails AS sd

JOIN sales AS s

ON s.invno = sd.invno

JOIN customer AS c

ON s.customerid = c.custid

RIGHT JOIN items as i

ON i.code = sd.itemcode

Question 2:

**Query a:**

//Details of the course and

select distinct \* from

(SELECT instructorid, instructorname, count(courseno) as total

FROM offers AS o

NATURAL JOIN course AS co

NATURAL JOIN instructor AS i

group by (acadyear, semester, instructorid,instructorname)) as r1 where total > 1

**Modified query:**

select \* from

(

select distinct \* from

(SELECT semester,acadyear ,instructorid, instructorname, count(courseno) as total

FROM offers AS o

NATURAL JOIN course AS co

NATURAL JOIN instructor AS i

group by (acadyear, semester, instructorid,instructorname)) as r1

) as foo1

join offers as o on foo1.acadyear=o.acadyear and foo1.instructorid=o.instructorid and foo1.semester=o.semester

natural join course where total>1

**Query b:**

SELECT \*

FROM offers as o

RIGHT JOIN course as co

ON co.courseno=o.courseno

EXCEPT

SELECT \*

FROM offers as o

JOIN course as co

ON co.courseno=o.courseno

**Query c:**

SELECT \*

FROM (

SELECT \*

FROM

(SELECT studentid, sum(credit) as totalcredits

FROM course as co

NATURAL JOIN registers as r

group by studentid) AS foo1

WHERE totalcredits<10 OR totalcredits>20 ) as foo2

NATURAL JOIN student AS s

NATURAL JOIN program AS p

WHERE batch=2007 AND progname='BTech(CS)'

**Query d:**

select \* from(

select studentid ,count(grade) as total

from

(

select \* from registers where grade='FF') as foo1 group by studentid ) as foo2

where total>2;