Multiple Tables

**Problem#1**

mysql> create table **donation**(

-> idno varchar(5),

-> driveno varchar(3),

-> condate date,

-> contamt float(6,2));

Query OK, 0 rows affected (0.00 sec)

mysql> create table **drive**(

-> driveno varchar(3),

-> drivename varchar(15),

-> drivechair varchar(12),

-> lastyear float(8,2),

-> thisyear float(8,2));

Query OK, 0 rows affected (0.01 sec)

mysql> describe **donation;**

+---------+------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+------------+------+-----+---------+-------+

| idno | varchar(5) | YES | | NULL | |

| driveno | varchar(3) | YES | | NULL | |

| condate | date | YES | | NULL | |

| contamt | float(6,2) | YES | | NULL | |

+---------+------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

mysql> **describe drive;**

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| driveno | varchar(3) | YES | | NULL | |

| drivename | varchar(15) | YES | | NULL | |

| drivechair | varchar(12) | YES | | NULL | |

| lastyear | float(8,2) | YES | | NULL | |

| thisyear | float(8,2) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

**Populating donation table**

insert into donation values('11111', '100','2005-12-28', 25.00);

insert into donation values('12121', '200', '2005-12-30',40.00 );

insert into donation values('23456','100' ,'2005-11-20',20.00 );

insert into donation values('33333','300' ,'2005-11-30',10.00 );

insert into donation values('12121','300','2005-12-31',50.00 );

mysql> select \* from **donation;**

mysql> select \* from donation;

+-------+---------+------------+---------+

| idno | driveno | condate | contamt |

+-------+---------+------------+---------+

| 11111 | 100 | 2005-12-28 | 25.00 |

| 12121 | 200 | 2005-12-30 | 40.00 |

| 33333 | 300 | 2005-11-30 | 10.00 |

| 12121 | 300 | 2005-12-31 | 50.00 |

| 23456 | 200 | 2005-12-29 | 100.00 |

+-------+---------+------------+---------+

5 rows in set (0.00 sec)6 rows in set (0.00 sec)

**Populating drive table**

insert into drive values('100', 'Kids Shelter', 'Ann Smith', 10000.00 ,0.00);

insert into drive values( '200', 'Animal Home', 'Linda Grant', 5000.00,0.00 );

insert into drive values('300', 'Health Aid', 'David Ross',7000.00,0.00 );

mysql> select \* from **drive**;

+---------+--------------+-------------+----------+----------+

| driveno | drivename | drivechair | lastyear | thisyear |

+---------+--------------+-------------+----------+----------+

| 100 | Kids Shelter | Ann Smith | 10000.00 | 0.00 |

| 200 | Animal Home | Linda Grant | 5000.00 | 0.00 |

| 300 | Health Aid | David Ross | 7000.00 | 0.00 |

+---------+--------------+-------------+----------+----------+

3 rows in set (0.00 sec)

**Problem#2**

mysql> select idno,drive.driveno, drivename , condate, contamt from

-> donation, drive where drive.driveno = '100' and donation.driveno = drive.driveno;

+-------+---------+--------------+------------+---------+

| idno | driveno | drivename | condate | contamt |

+-------+---------+--------------+------------+---------+

| 11111 | 100 | Kids Shelter | 2005-12-28 | 25.00 |

| 23456 | 100 | Kids Shelter | 2005-11-20 | 20.00 |

+-------+---------+--------------+------------+---------+

2 rows in set (0.00 sec)

**Problem#3**

mysql> select donor.idno, name, donation.driveno,contamt from donor, donation

-> where contamt > 50 and donor.idno = donation.idno;

+-------+-----------+---------+---------+

| idno | name | driveno | contamt |

+-------+-----------+---------+---------+

| 23456 | Susan Ash | 200 | 100.00 |

+-------+-----------+---------+---------+

1 row in set (0.00 sec)

**Problem#4**

mysql> select donor.idno, name , city,drive.driveno,drivename from donor,donation,drive

-> where (city = 'Seekonk' or drive.driveno = '100') and donor.idno = donation.idno

-> and drive.driveno = donation.driveno;

+-------+-----------------+------------+---------+--------------+

| idno | name | city | driveno | drivename |

+-------+-----------------+------------+---------+--------------+

| 11111 | Stephen Daniels | Seekonk | 100 | Kids Shelter |

| 23456 | Susan Ash | Fall River | 100 | Kids Shelter |

+-------+-----------------+------------+---------+--------------+

2 rows in set (0.00 sec)

**Problem#5**

mysql> select donor.idno, name , state,drive.driveno,contamt,drivename from donor,donation,drive

-> where state = 'MA' and (donation.driveno = '100' or contamt < 100) and donor.idno = donation.idno

-> and drive.driveno = donation.driveno;

+-------+-----------------+-------+---------+---------+--------------+

| idno | name | state | driveno | contamt | drivename |

+-------+-----------------+-------+---------+---------+--------------+

| 11111 | Stephen Daniels | MA | 100 | 25.00 | Kids Shelter |

| 23456 | Susan Ash | MA | 100 | 20.00 | Kids Shelter |

| 33333 | Nancy Taylor | MA | 300 | 10.00 | Health Aid |

+-------+-----------------+-------+---------+---------+--------------+

3 rows in set (0.01 sec)