

Question a:

```
mysql> use task;
Database changed
mysql> create table worker(ID int(3), FIRST_NAME char(30), LAST_NAME char(30),
SALARY int, JOINING_DATE date, DEPARTMENT char(20));
Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> insert into worker
values(001,"Monika","Arora",100000,'2014-02-20',"HR"),(002,"Niharika","Verma",80000
,'2014-06-11',"Admin"),(003,"Vishal","Singhal",300000,'2014-02-20',"HR"),(004,"Amit
abh","Singh",500000,'2014-02-20',"Admin"),(005,"Vivek","Bhati",500000,'2014-06-11',
"Admin"),(006,"Vipul","Diwan",200000,'2014-06-11',"Account"),(007,"Satish","Kumar",
75000,'2014-01-20',"Account"),(008,"Geetika","Chauhan",90000,'2014-04-11',"Admin");
Query OK, 8 rows affected (0.01 sec)
Records: 8  Duplicates: 0  Warnings: 0
```

Question b:

```
mysql> select FIRST_NAME as WORKER_NAME from worker;
+-----+
| WORKER_NAME |
+-----+
| Monika      |
| Niharika    |
| Vishal      |
| Amitabh     |
| Vivek       |
| Vipul       |
| Satish      |
| Geetika     |
+-----+
8 rows in set (0.00 sec)
```

Question c:

```
mysql> select distinct DEPARTMENT from worker;
+-----+
| DEPARTMENT |
+-----+
| HR         |
| Admin      |
| Account    |
+-----+
3 rows in set (0.00 sec)
```

Question d:

```
mysql> select *from worker where salary between '100000' and '500000';
+-----+-----+-----+-----+-----+-----+
| ID | FIRST_NAME | LAST_NAME | SALARY | JOINING_DATE | DEPARTMENT |
```

ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	Monika	Arora	100000	2014-02-20	HR
3	Vishal	Singhal	300000	2014-02-20	HR
4	Amitabh	Singh	500000	2014-02-20	Admin
5	Vivek	Bhati	500000	2014-06-11	Admin
6	Vipul	Diwan	200000	2014-06-11	Account

5 rows in set (0.00 sec)

Question e:

```
mysql> select FIRST_NAME, LAST_NAME from worker where DEPARTMENT="Admin";
```

FIRST_NAME	LAST_NAME
Niharika	Verma
Amitabh	Singh
Vivek	Bhati
Geetika	Chauhan

4 rows in set (0.00 sec)

Question f:

```
mysql> select DEPARTMENT from worker;
```

DEPARTMENT
HR
Admin
HR
Admin
Admin
Account
Account
Admin

8 rows in set (0.00 sec)

4:

1)

```
mysql> select s.sid,s.name,c.cname from student_reg s inner join student_course c
on s.sid=c.sid;
```

sid	name	cname
1	Harry	Web Designing
2	Mac	Python

4	Shree	PHP
5	Seema	DBMS
1	Harry	PHP

5 rows in set (0.00 sec)

2)

```
mysql> select name,city from student_reg join student_course on
student_reg.sid=student_course.sid;
```

name	city
Harry	Pune
Mac	Nashik
Shree	Thane
Seema	Mumbai
Harry	Pune

5 rows in set (0.00 sec)

3)

```
mysql> select s.sid,s.name,s.per,c.cname from student_reg s inner join
student_course c on s.sid=c.sid where s.per>85.00;
```

sid	name	per	cname
1	Harry	95.26	Web Designing
2	Mac	98.45	Python
4	Shree	85.65	PHP
5	Seema	89.45	DBMS
1	Harry	95.26	PHP

5 rows in set (0.00 sec)

4)

```
mysql> select s.sid,s.name from student_reg s inner join student_course c on
s.sid=c.sid having count(cname)>2;
```

sid	name
1	Harry

1 row in set (0.00 sec)