**-----------------------------------------------------------------------------------------------------------------------------------------**

**Note:**

1. Write your idno, name against the fields below.
2. Save as this file on Desktop in the format 132DBS\_Labtest\_SETA\_<IDNO>\_<NAME>\_<TERMINALNO>\_ANSWERSHEET.doc.

**------------------------------------------------------------------------------------------------------------------------------------------**

**IDNO: 2013A7PS124P**

**NAME: Abhinav Agarwal**

**TERMINAL NO: Lab3-39**

**SECTION I**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query NO** | **SQL Query** | **No. of rows in the result** | **First 5 rows in the result** (should be as per the order asked in question) |
| **Q1** | SELECT DISTINCT ename FROM employees e, certified c WHERE e.eid = c.eid; | 20 | Robert Brown  Lisa Walker  Angela Martinez  Larry West  Eric Cooper |
| **Q2** |  |  |  |
| **Q3** | SELECT DISTINCT aid FROM aircraft a WHERE a.crusingrange >= ALL (SELECT distance from flights f WHERE destination='Chicago' and origin='Los Angeles'); | 11 | 14  6  13  2  10 |
| **Q4** | SELECT ename FROM employees e WHERE e.eid IN ((SELECT c.eid FROM certified c, aircraft a WHERE c.aid=a.aid and a.crusingrange>3000) minus (SELECT c.eid FROM certified c, aircraft a WHERE c.aid=a.aid and a.aname LIKE 'Boeing%')); | 5 | Lawrence Sperry  Angela Martinez  Joseph Thompson  Eric Cooper  William Jones |
| **Q5** |  |  |  |
| **Q6** | SELECT ename, salary FROM employees e WHERE e.eid IN ((SELECT eid FROM employees) minus (SELECT e.eid FROM employees e, certified c WHERE e.eid=c.eid)) and e.eid IN (select eid from employees HAVING salary >= (select avg(e.salary) from employees e, certified c WHERE c.eid=e.eid)); | 11 | Patricia Jones 24450  Linda Davis 127984  Richard Jackson 23980  Chad Stewart 33546  Michael Miller 48090 |
| **Q7** | select ename from employees e where e.eid in (select e.eid from employees e, certified c where c.eid=e.eid) and e.eid in (select e.eid from employees e, aircraft a, certified c where c.eid=e.eid and c.aid=a.aid and a.crusingrange>1000); | 18 | John Williams  Elizabeth Taylor  Mary Johnson  Betty Adams  William Moore |
| **Q8** | select ename from employees e where e.eid in (select e.eid from employees e, certified c where c.eid=e.eid) and e.eid in (select e.eid from employees e, aircraft a, certified c where c.eid=e.eid and c.aid=a.aid and a.crusingrange>1000) and e.eid in (SELECT c.eid FROM certified c, aircraft a WHERE c.aid=a.aid and a.aname LIKE 'Boeing%'); | 10 | John Williams  George Wright  Larry West  Mark Young  Mary Johnson |

**SECTION II**

|  |  |  |  |
| --- | --- | --- | --- |
| **Query NO** | **SQL Query** | **No. of rows in the result** | **First 5 rows in the result** (should be as per the order asked in question) |
| **Q1** | select sname from student s, enrolled e, class c, faculty f where s.snum=e.snum and c.name=e.cname and c.fid=f.fid and s.standing='JR' and f.fname='Ivana Teach'; | 2 | Christopher Garcia  Paul Hall |
| **Q2** | select name from class c where c.room='R128' or '5' IN (select count(e.snum) from enrolled e, class c where c.name=e.cname); | 7 | Data Structures  Archaeology of the Incas  Patent Law  Dairy Herd Management  Intoduction to Math  Database Systems  Operation System Design |
| **Q3** | select s.snum from student s where s.snum in ((select snum from student)minus(select s.snum from student s, enrolled e where e.snum=s.snum)); | 13 | 51135593  60839453  132977562  269734834  280158572 |
| **Q4** |  |  |  |
| **Q5** | select standing, avg(age) from student where standing!='JR' group by standing; | 3 | SR 20.71428571428571428571428571428571428571  SO 18.4  FR 17.66666666666666666666666666666666666667 |
| **Q6** | select s.sname from student s where s.snum in (select snum from enrolled group by snum having count(\*)>=ALL(SELECT count(\*) from enrolled group by snum)); | 2 | Juan Rodriguez  Ana Lopez |
| **Q7** | select age, standing from student where snum in (select snum from student group by age having count(standing)>=ALL(SELECT count(standing) from student group by snum)); |  |  |
| **Q8** |  |  |  |