**Assignment-2 DBT**

**Section-2**

1.🡪

mysql> select empname,empcode,designame from emp,desig;

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

| empname | empcode | designame |

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

| Tiwari | 6569 | Supervisor |

| Tiwari | 6569 | Sales Man |

| Tiwari | 6569 | Personal |

| Tiwari | 6569 | Manager |

| Tiwari | 6569 | Clerk |

| John | 7192 | Supervisor |

| John | 7192 | Sales Man |

| John | 7192 | Personal |

| John | 7192 | Manager |

| John | 7192 | Clerk |

| Shah | 7369 | Supervisor |

| Shah | 7369 | Sales Man |

| Shah | 7369 | Personal |

| Shah | 7369 | Manager |

| Shah | 7369 | Clerk |

| Roy | 7499 | Supervisor |

| Roy | 7499 | Sales Man |

| Roy | 7499 | Personal |

| Roy | 7499 | Manager |

| Roy | 7499 | Clerk |

| Wilson | 7521 | Supervisor |

| Wilson | 7521 | Sales Man |

| Wilson | 7521 | Personal |

| Wilson | 7521 | Manager |

| Wilson | 7521 | Clerk |

| Jain | 7566 | Supervisor |

| Jain | 7566 | Sales Man |

| Jain | 7566 | Personal |

| Jain | 7566 | Manager |

| Jain | 7566 | Clerk |

| Gupta | 7654 | Supervisor |

| Gupta | 7654 | Sales Man |

| Gupta | 7654 | Personal |

| Gupta | 7654 | Manager |

| Gupta | 7654 | Clerk |

| Murthy | 7698 | Supervisor |

| Murthy | 7698 | Sales Man |

| Murthy | 7698 | Personal |

| Murthy | 7698 | Manager |

| Murthy | 7698 | Clerk |

| Menon | 7782 | Supervisor |

| Menon | 7782 | Sales Man |

| Menon | 7782 | Personal |

| Menon | 7782 | Manager |

| Menon | 7782 | Clerk |

| Khan | 7788 | Supervisor |

| Khan | 7788 | Sales Man |

| Khan | 7788 | Personal |

| Khan | 7788 | Manager |

| Khan | 7788 | Clerk |

| Sanghvi | 7802 | Supervisor |

| Sanghvi | 7802 | Sales Man |

| Sanghvi | 7802 | Personal |

| Sanghvi | 7802 | Manager |

| Sanghvi | 7802 | Clerk |

| Reddy | 7839 | Supervisor |

| Reddy | 7839 | Sales Man |

| Reddy | 7839 | Personal |

| Reddy | 7839 | Manager |

| Reddy | 7839 | Clerk |

| Singh | 7844 | Supervisor |

| Singh | 7844 | Sales Man |

| Singh | 7844 | Personal |

| Singh | 7844 | Manager |

| Singh | 7844 | Clerk |

| Patil | 7876 | Supervisor |

| Patil | 7876 | Sales Man |

| Patil | 7876 | Personal |

| Patil | 7876 | Manager |

| Patil | 7876 | Clerk |

| Shroff | 7900 | Supervisor |

| Shroff | 7900 | Sales Man |

| Shroff | 7900 | Personal |

| Shroff | 7900 | Manager |

| Shroff | 7900 | Clerk |

| Naik | 7902 | Supervisor |

| Naik | 7902 | Sales Man |

| Naik | 7902 | Personal |

| Naik | 7902 | Manager |

| Naik | 7902 | Clerk |

| Kaul | 7934 | Supervisor |

| Kaul | 7934 | Sales Man |

| Kaul | 7934 | Personal |

| Kaul | 7934 | Manager |

| Kaul | 7934 | Clerk |

| Rai | 7939 | Supervisor |

| Rai | 7939 | Sales Man |

| Rai | 7939 | Personal |

| Rai | 7939 | Manager |

| Rai | 7939 | Clerk |

| Sinha | 7999 | Supervisor |

| Sinha | 7999 | Sales Man |

| Sinha | 7999 | Personal |

| Sinha | 7999 | Manager |

| Sinha | 7999 | Clerk |

| Ahmad | 9902 | Supervisor |

| Ahmad | 9902 | Sales Man |

| Ahmad | 9902 | Personal |

| Ahmad | 9902 | Manager |

| Ahmad | 9902 | Clerk |

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

100 rows in set (0.00 sec)

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2.🡪

mysql> select deptname,budget from dept;

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

| deptname | budget |

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

| Accounts | 19 |

| Facilities | 42 |

| Personal | 12 |

| Purchase | 25 |

| Sales | 39 |

| Stores | 33 |

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

6 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

3.🡪 select empname,deptname from emp,dept;

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4.🡪

mysql> select empname from emp where supcode is NULL;

+---------+

| empname |

+---------+

| Reddy |

+---------+

1 row in set (0.00 sec)

mysql>

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5.🡪

mysql> select empname from emp where supcode= (select empcode from emp where supcode is NULL);

+---------+

| empname |

+---------+

| Jain |

| Murthy |

| Menon |

| Naik |

+---------+

4 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

6.🡪

mysql> select empname from emp where supcode is NULL;

+---------+

| empname |

+---------+

| Reddy |

+---------+

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

7.-🡪

mysql> select empname from emp where joindate=(select MIN(joindate) from emp);

+---------+

| empname |

+---------+

| Roy |

+---------+

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

8.-🡪

mysql> select deptname,empname from emp,dept where desigcode='MNGR';

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

| deptname | empname |

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

| Accounts | Tiwari |

| Accounts | Wilson |

| Accounts | Jain |

| Accounts | Murthy |

| Accounts | Menon |

| Accounts | Sanghvi |

| Accounts | Naik |

| Facilities | Tiwari |

| Facilities | Wilson |

| Facilities | Jain |

| Facilities | Murthy |

| Facilities | Menon |

| Facilities | Sanghvi |

| Facilities | Naik |

| Personal | Tiwari |

| Personal | Wilson |

| Personal | Jain |

| Personal | Murthy |

| Personal | Menon |

| Personal | Sanghvi |

| Personal | Naik |

| Purchase | Tiwari |

| Purchase | Wilson |

| Purchase | Jain |

| Purchase | Murthy |

| Purchase | Menon |

| Purchase | Sanghvi |

| Purchase | Naik |

| Sales | Tiwari |

| Sales | Wilson |

| Sales | Jain |

| Sales | Murthy |

| Sales | Menon |

| Sales | Sanghvi |

| Sales | Naik |

| Stores | Tiwari |

| Stores | Wilson |

| Stores | Jain |

| Stores | Murthy |

| Stores | Menon |

| Stores | Sanghvi |

| Stores | Naik |

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

42 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

9.-🡪

mysql> select empname from emp,dept where desigcode='MNGR';

+---------+

| empname |

+---------+

| Tiwari |

| Wilson |

| Jain |

| Murthy |

| Menon |

| Sanghvi |

| Naik |

| Tiwari |

| Wilson |

| Jain |

| Murthy |

| Menon |

| Sanghvi |

| Naik |

| Tiwari |

| Wilson |

| Jain |

| Murthy |

| Menon |

| Sanghvi |

| Naik |

| Tiwari |

| Wilson |

| Jain |

| Murthy |

| Menon |

| Sanghvi |

| Naik |

| Tiwari |

| Wilson |

| Jain |

| Murthy |

| Menon |

| Sanghvi |

| Naik |

| Tiwari |

| Wilson |

| Jain |

| Murthy |

| Menon |

| Sanghvi |

| Naik |

+---------+

42 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

10.-🡪

mysql> select count(empname) from emp where deptcode='ACCT' or deptcode= 'PERS' or deptcode= 'PRCH';

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

| count(empname) |

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

| 10 |

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

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

11.-🡪

mysql> select empname from emp where deptcode='ACCT' or deptcode= 'PERS';

+---------+

| empname |

+---------+

| John |

| Menon |

| Reddy |

| Kaul |

+---------+

4 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

12.-🡪

mysql> select empname from emp where deptcode='ACCT' AND deptcode= 'PERS';

Empty set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

13.-🡪

mysql> select empname from emp where deptcode='ACCT' AND NOT deptcode= 'PERS';

+---------+

| empname |

+---------+

| John |

| Menon |

| Reddy |

| Kaul |

+---------+

4 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

14.-🡪

mysql> select empname from emp where birthdate=(select max(birthdate) from emp);

+---------+

| empname |

+---------+

| Tiwari |

+---------+

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

15.-🡪

mysql> select empname, basicpay from emp where basicpay !=12400;

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

| empname | basicpay |

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

| John | 12300 |

| Shah | 12200 |

| Roy | 14200 |

| Wilson | 12200 |

| Gupta | 12600 |

| Murthy | 14700 |

| Khan | 11900 |

| Reddy | 32000 |

| Singh | 14300 |

| Patil | 12300 |

| Shroff | 12000 |

| Naik | 11800 |

| Kaul | 11950 |

| Rai | 11800 |

| Sinha | 14600 |

| Ahmad | 14200 |

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

16 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

16.-🡪

mysql> select empname from emp where basicpay between 11000 AND 12000;

+---------+

| empname |

+---------+

| Khan |

| Shroff |

| Naik |

| Kaul |

| Rai |

+---------+

5 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

17.-🡪

mysql> select empname from emp where basicpay NOT between 11000 AND 12000;

+---------+

| empname |

+---------+

| Tiwari |

| John |

| Shah |

| Roy |

| Wilson |

| Jain |

| Gupta |

| Murthy |

| Menon |

| Sanghvi |

| Reddy |

| Singh |

| Patil |

| Sinha |

| Ahmad |

+---------+

15 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

18.-🡪

mysql> select distinct(empname) from emp,salary where salmonth= '2012-01-01' AND allow between 1000 AND 1500;

+---------+

| empname |

+---------+

| Tiwari |

| John |

| Shah |

| Roy |

| Wilson |

| Jain |

| Gupta |

| Murthy |

| Menon |

| Khan |

| Sanghvi |

| Reddy |

| Singh |

| Patil |

| Shroff |

| Naik |

| Kaul |

| Rai |

| Sinha |

| Ahmad |

+---------+

20 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

19.-🡪

mysql> select empname from emp where empname regexp'y$|i$';

+---------+

| empname |

+---------+

| Tiwari |

| Roy |

| Murthy |

| Sanghvi |

| Reddy |

| Rai |

+---------+

6 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

20.-🡪

mysql> select empname from emp where (year(curdate())-year(joindate)) >=25;

+---------+

| empname |

+---------+

| John |

| Shah |

| Roy |

| Wilson |

| Jain |

| Gupta |

| Murthy |

| Menon |

| Khan |

| Sanghvi |

| Reddy |

| Singh |

| Patil |

| Shroff |

| Naik |

| Kaul |

| Sinha |

| Ahmad |

+---------+

18 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

21.-🡪

select empname from emp where(year(curdate())-year(joindate)) <30 AND (year(curdate())-year(joindate)) >20 AND deptcode='SALE';

Empty set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

22.-🡪

mysql> select empname,basicpay,(basicpay/2) from emp;

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

| empname | basicpay | (basicpay/2) |

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

| Tiwari | 12400 | 6200.0000 |

| John | 12300 | 6150.0000 |

| Shah | 12200 | 6100.0000 |

| Roy | 14200 | 7100.0000 |

| Wilson | 12200 | 6100.0000 |

| Jain | 12400 | 6200.0000 |

| Gupta | 12600 | 6300.0000 |

| Murthy | 14700 | 7350.0000 |

| Menon | 12400 | 6200.0000 |

| Khan | 11900 | 5950.0000 |

| Sanghvi | 12400 | 6200.0000 |

| Reddy | 32000 | 16000.0000 |

| Singh | 14300 | 7150.0000 |

| Patil | 12300 | 6150.0000 |

| Shroff | 12000 | 6000.0000 |

| Naik | 11800 | 5900.0000 |

| Kaul | 11950 | 5975.0000 |

| Rai | 11800 | 5900.0000 |

| Sinha | 14600 | 7300.0000 |

| Ahmad | 14200 | 7100.0000 |

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

20 rows in set (0.00 sec)

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23.-🡪 select e.empname, (basic+allow-deduct) as Take\_home\_pay from emp e inner join salary s on e.empcode=s.empcode;

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24.-🡪 select distinct(empname), (basic+allow-deduct) as Take\_home\_pay from emp,salary where deptcode='ACCT';

--------------------------------------------------------------------------------------------------------------------------------------

25.-🡪

mysql> select empname,(year(curdate())-year(birthdate)) as age from emp;

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

| empname | age |

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

| Tiwari | 33 |

| John | 54 |

| Shah | 62 |

| Roy | 65 |

| Wilson | 66 |

| Jain | 67 |

| Gupta | 65 |

| Murthy | 62 |

| Menon | 55 |

| Khan | 65 |

| Sanghvi | 42 |

| Reddy | 63 |

| Singh | 66 |

| Patil | 57 |

| Shroff | 66 |

| Naik | 64 |

| Kaul | 65 |

| Rai | 34 |

| Sinha | 52 |

| Ahmad | 52 |

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

20 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

26.-🡪 i)

mysql> select empname,(year(curdate())-year(birthdate)) as age from emp e inner join dept d on e.deptcode= d.deptcode where deptname='Accounts' order by age asc;

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

| empname | age |

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

| John | 54 |

| Menon | 55 |

| Reddy | 63 |

| Kaul | 65 |

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

4 rows in set (0.00 sec)

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

ii)

mysql> select empname,(year(curdate())-year(birthdate)) as age from emp e inner join dept d on e.deptcode= d.deptcode where deptname='Accounts' order by e.empname asc;

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

| empname | age |

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

| John | 54 |

| Kaul | 65 |

| Menon | 55 |

| Reddy | 63 |

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

4 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

27.-🡪

mysql> select count(empname) from emp where supcode=(select empcode from emp where empname='Reddy');

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

| count(empname) |

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

| 4 |

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

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

28.-🡪

mysql> SELECT sup.empname, count(sub.empcode) FROM emp sub JOIN emp sup ON sub.supcode = sup.empcode GROUP BY sup.empname;

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

| empname | count(sub.empcode) |

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

| Jain | 2 |

| Murthy | 6 |

| Menon | 4 |

| Khan | 1 |

| Reddy | 4 |

| Naik | 2 |

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

6 rows in set (0.00 sec)

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29.-🡪

mysql> SELECT sup.empname, count(sub.empcode)as subordinates FROM emp sub JOIN emp sup ON sub.supcode = sup.empcode GROUP BY sup.empname having count(\*)>2;

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

| empname | subordinates |

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

| Murthy | 6 |

| Menon | 4 |

| Reddy | 4 |

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

3 rows in set (0.00 sec)

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30.-🡪 mysql> select g.gradecode, sum(e.basicpay) from grade g inner join emp e on g.gradecode=e.gradecode group by g.gradecode;

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

| gradecode | sum(e.basicpay) |

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

| GC6 | 485300 |

| GC1 | 32000 |

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

2 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

31.-🡪

mysql> SELECT sub.empname, sup.empname as supervisor FROM emp sub JOIN emp sup ON sub.supcode = sup.empcode;

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

| empname | supervisor |

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

| Tiwari | Menon |

| John | Naik |

| Shah | Naik |

| Roy | Murthy |

| Wilson | Murthy |

| Jain | Reddy |

| Gupta | Murthy |

| Murthy | Reddy |

| Menon | Reddy |

| Khan | Jain |

| Sanghvi | Jain |

| Singh | Murthy |

| Patil | Khan |

| Shroff | Murthy |

| Naik | Reddy |

| Kaul | Menon |

| Rai | Menon |

| Sinha | Menon |

| Ahmad | Murthy |

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

19 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

32.-🡪

mysql> SELECT sub.empname as officers,sup.empname as supervisors, count(sub.empcode)as subordinates FROM emp sub JOIN emp sup ON sub.supcode = sup.empcode GROUP BY sup.empname having count(\*)>2;

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

| officers | supervisors | subordinates |

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

| Tiwari | Menon | 4 |

| Roy | Murthy | 6 |

| Jain | Reddy | 4 |

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

3 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

33.-🡪

34.-🡪

35.-🡪

mysql> select e.empname,h.changedate from emp e inner join history h on e.empcode=h.empcode where h.changedate='1991-01-01';

Empty set (0.01 sec)

--------------------------------------------------------------------------------------------------------------------------------------

36.-🡪

mysql> select sum(d.budget),d.deptcode, sum(basic+allow-deduct) from emp e inner join dept d on e.deptcode=d.deptcode inner join salary s on s.empcode=e.empcode group by d.deptcode;

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

| sum(d.budget) | deptcode | sum(basic+allow-deduct) |

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

| 228 | ACCT | 212430 |

| 450 | PRCH | 222630 |

| 819 | SALE | 296870 |

| 297 | STOR | 113900 |

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

4 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

37.-🡪

mysql> select upper(empname) from emp;

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

| upper(empname) |

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

| TIWARI |

| JOHN |

| SHAH |

| ROY |

| WILSON |

| JAIN |

| GUPTA |

| MURTHY |

| MENON |

| KHAN |

| SANGHVI |

| REDDY |

| SINGH |

| PATIL |

| SHROFF |

| NAIK |

| KAUL |

| RAI |

| SINHA |

| AHMAD |

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

20 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

38.-🡪

select empname from emp where basicpay >(select basicpay from emp where empname='Jain');

+---------+

| empname |

+---------+

| Roy |

| Gupta |

| Murthy |

| Reddy |

| Singh |

| Sinha |

| Ahmad |

+---------+

7 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

39.-🡪

mysql> select empname from emp where basicpay > 12000;

+---------+

| empname |

+---------+

| Tiwari |

| John |

| Shah |

| Roy |

| Wilson |

| Jain |

| Gupta |

| Murthy |

| Menon |

| Sanghvi |

| Reddy |

| Singh |

| Patil |

| Sinha |

| Ahmad |

+---------+

15 rows in set (0.00 sec)

-------------------------------------------------------------------------------------------------------------------------------------

40.-🡪 select empname,basicpay from emp where basicpay > avg(basicpay) order by basicpay asc;

--------------------------------------------------------------------------------------------------------------------------------------

41.-🡪

mysql> select e.empname, max(basic+allow-deduct) from emp e inner join salary s on e.empcode=s.empcode;

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

| empname | max(basic+allow-deduct) |

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

| Tiwari | 33950 |

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

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

42.-🡪 select empname, (basic+allow-deduct) from salary s inner join emp e on s.empcode=e.empcode where (basic+allow-deduct) not in (select max(basic+allow-deduct) as sal from salary);

--------------------------------------------------------------------------------------------------------------------------------------

43.-🡪

mysql> select empname,deptcode, max(basic+allow-deduct) from salary s inner join emp e on s.empcode=e.empcode where (basic+allow-deduct) not in (select max(basic+allow-deduct) as sal from salary) group by deptcode;

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

| empname | deptcode | max(basic+allow-deduct) |

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

| Tiwari | STOR | 13090 |

| John | ACCT | 31800 |

| Shah | PRCH | 13090 |

| Roy | SALE | 15520 |

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

4 rows in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

44.-🡪

mysql> select empcode, max(basic+allow-deduct) from salary where (basic+allow-deduct) not in (select max(basic+allow-deduct) as sal from salary);

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

| empcode | max(basic+allow-deduct) |

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

| 6569 | 31800 |

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

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

45.-🡪

mysql> select empcode, (basic+allow-deduct) as pay from salary where (basic+allow-deduct) not in (select max(basic+allow-deduct) as sal from salary) group by empcode order by pay desc limit 4,1;

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

| empcode | pay |

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

| 9902 | 13700 |

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

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------

w---------46.-🡪 select e.empname, max(basic+allow-deduct) from emp e inner join salary s on e.empcode=s.empcode where e.sex='F';

--------------------------------------------------------------------------------------------------------------------------------------

w----------47.-🡪 select e.empname,d.deptname,max(basic+allow-deduct) from emp e inner join salary s on e.empcode=s.empcode inner join dept d on e.deptcode=d.deptcode where e.sex='F';

--------------------------------------------------------------------------------------------------------------------------------------

48.-🡪

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49-🡪

mysql> select e.empname from emp e inner join salary s on e.empcode=s.empcode where e.sex='M' and (basic+allow-deduct)>(select max(basic+allow-deduct) from salary s inner join emp e on s.empcode=e.empcode where e.sex='F') group by empname;

+---------+

| empname |

+---------+

| Reddy |

+---------+

1 row in set (0.00 sec)

------------------------------------------------------------------------------------------------------------------------------------

50.-🡪

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51.-🡪

mysql> select e.empname, d.deptname,e.basicpay from emp e inner join dept d on e.deptcode=d.deptcode where e.basicpay <(select avg(e.basicpay) from emp e inner join dept d on e.deptcode=d.deptcode where d.deptname='Accounts');

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

| empname | deptname | basicpay |

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

| Tiwari | Stores | 12400 |

| John | Accounts | 12300 |

| Shah | Purchase | 12200 |

| Roy | Sales | 14200 |

| Wilson | Stores | 12200 |

| Jain | Purchase | 12400 |

| Gupta | Sales | 12600 |

| Murthy | Sales | 14700 |

| Menon | Accounts | 12400 |

| Khan | Purchase | 11900 |

| Sanghvi | Stores | 12400 |

| Singh | Sales | 14300 |

| Patil | Purchase | 12300 |

| Shroff | Sales | 12000 |

| Naik | Purchase | 11800 |

| Kaul | Accounts | 11950 |

| Rai | Purchase | 11800 |

| Sinha | Sales | 14600 |

| Ahmad | Sales | 14200 |

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

19 rows in set (0.00 sec)

mysql> select avg(e.basicpay) from emp e inner join dept d on e.deptcode=d.deptcode where d.deptname='Accounts';

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

| avg(e.basicpay) |

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

| 17162.5000 |

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

1 row in set (0.00 sec)

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**Section 3**

1.---🡪

mysql> create view empage(empcode, age) as (select empcode, timestampdiff(year,birthdate,curdate()) from emp);

mysql> select \* from empage;

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

| empcode | age |

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

| 6569 | 32 |

| 7192 | 53 |

| 7369 | 61 |

| 7499 | 64 |

| 7521 | 66 |

| 7566 | 67 |

| 7654 | 65 |

| 7698 | 61 |

| 7782 | 54 |

| 7788 | 65 |

| 7802 | 41 |

| 7839 | 62 |

| 7844 | 65 |

| 7876 | 56 |

| 7900 | 65 |

| 7902 | 64 |

| 7934 | 64 |

| 7939 | 33 |

| 7999 | 51 |

| 9902 | 52 |

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

20 rows in set (0.01 sec)

--------------------------------------------------------------------------------------------------------------------------------------

2.-🡪

mysql> create view empexperience(empname, experience) as (select empname, (year(curdate())-year(joindate)) from emp);

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from empexperience;

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

| empname | experience |

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

| Tiwari | 12 |

| John | 28 |

| Shah | 39 |

| Roy | 41 |

| Wilson | 41 |

| Jain | 41 |

| Gupta | 41 |

| Murthy | 41 |

| Menon | 41 |

| Khan | 40 |

| Sanghvi | 29 |

| Reddy | 41 |

| Singh | 41 |

| Patil | 32 |

| Shroff | 41 |

| Naik | 41 |

| Kaul | 40 |

| Rai | 10 |

| Sinha | 30 |

| Ahmad | 30 |

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

20 rows in set (0.00 sec)

3.-🡪

mysql> create view empPay(empname, salmonth, pay) as (select empname, salmonth, (basic+allow-deduct) from emp e inner join salary s on e.empcode=s.empcode group by empname);

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from empPay;

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

| empname | salmonth | pay |

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

| Tiwari | 2011-12-01 | 12000 |

| John | 2011-12-01 | 11800 |

| Shah | 2011-12-01 | 11750 |

| Roy | 2011-12-01 | 13650 |

| Wilson | 2011-12-01 | 11700 |

| Jain | 2011-12-01 | 12200 |

| Gupta | 2011-12-01 | 12100 |

| Murthy | 2011-12-01 | 14200 |

| Menon | 2011-12-01 | 11900 |

| Khan | 2011-12-01 | 11450 |

| Sanghvi | 2011-12-01 | 12100 |

| Reddy | 2011-12-01 | 31800 |

| Singh | 2011-12-01 | 13700 |

| Patil | 2011-12-01 | 11800 |

| Shroff | 2011-12-01 | 11700 |

| Naik | 2011-12-01 | 11350 |

| Kaul | 2011-12-01 | 11700 |

| Rai | 2011-12-01 | 11400 |

| Sinha | 2011-12-01 | 14000 |

| Ahmad | 2011-12-01 | 13700 |

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

20 rows in set (0.04 sec)

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4.-🡪

mysql> create view empold(supervisor,subordinate) as (select sup.empname,sub.empname from emp sup inner join emp sub on sup.empcode=sub.supcode where sup.birthdate<sub.birthdate);

Query OK, 0 rows affected (0.05 sec)

mysql> select \* from empold;

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

| supervisor | subordinate |

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

| Menon | Tiwari |

| Naik | John |

| Naik | Shah |

| Reddy | Murthy |

| Reddy | Menon |

| Jain | Khan |

| Jain | Sanghvi |

| Khan | Patil |

| Menon | Rai |

| Menon | Sinha |

| Murthy | Ahmad |

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

11 rows in set (0.00 sec)

5.-🡪

mysql> create view empdept(deptcode,empnumber) as (select deptcode,count(empname) from emp group by deptcode);

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from empdept;

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

| deptcode | empnumber |

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

| ACCT | 4 |

| PRCH | 6 |

| SALE | 7 |

| STOR | 3 |

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

4 rows in set (0.00 sec)

6.-🡪

mysql> create view totalemp(no\_of\_employees) as (select count(empname) from emp);

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from titalemp;

ERROR 1146 (42S02): Table 'dac\_dbt.titalemp' doesn't exist

mysql> select \* from totalemp;

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

| no\_of\_employees |

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

| 20 |

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

1 row in set (0.00 sec)

7.-🡪

mysql> select \* from empdept;

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

| deptcode | empnumber |

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

| ACCT | 4 |

| PRCH | 6 |

| SALE | 7 |

| STOR | 3 |

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

4 rows in set (0.00 sec)

mysql> select \* from totalemp;

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

| no\_of\_employees |

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

| 20 |

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

1 row in set (0.00 sec)

mysql> select deptcode,((empnumber/no\_of\_employees)\*100) from empdept,totalemp;

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

| deptcode | ((empnumber/no\_of\_employees)\*100) |

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

| ACCT | 20.0000 |

| PRCH | 30.0000 |

| SALE | 35.0000 |

| STOR | 15.0000 |

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

4 rows in set (0.00 sec)

**Section – 4**

Q1.-🡪

mysql> create index emp\_index on emp(birthdate);

Query OK, 0 rows affected (0.22 sec)

Records: 0 Duplicates: 0 Warnings: 0

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Q2.-🡪

mysql> create unique index dept\_index on dept(deptname);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

--------------------------------------------------------------------------------------------------------------------------------------Q3.-🡪

mysql> create table student(id int, name varchar(30), age int, gender varchar(1));

Query OK, 0 rows affected (0.07 sec)

mysql> create index id\_index on student(id);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

--------------------------------------------------------------------------------------------------------------------------------------Q4.-🡪

mysql> drop index emp\_index on emp;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

--------------------------------------------------------------------------------------------------------------------------------------Q5.-🡪

show index from dept;

--------------------------------------------------------------------------------------------------------------------------------------Q6.-🡪

mysql> create temporary table student(id int, name varchar(30), age int, gender varchar(1));

Query OK, 0 rows affected (0.00 sec)

mysql> insert into student values(108,'Tejas', 23, 'M');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from student;

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

| id | name | age | gender |

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

| 108 | Tejas | 23 | M |

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

1 row in set (0.00 sec)

mysql> select \* from student;

ERROR 1146 (42S02): Table 'dac\_dbt.student' doesn't exist

--------------------------------------------------------------------------------------------------------------------------------------Q7.-🡪

mysql> select \* from student;

ERROR 1146 (42S02): Table 'dac\_dbt.student' doesn't exist

--------------------------------------------------------------------------------------------------------------------------------------Q8.-🡪

mysql> select \* from student;

ERROR 1146 (42S02): Table 'dac\_dbt.student' doesn't exist

mysql> create temporary table test(id int,testname varchar(40));

Query OK, 0 rows affected (0.01 sec)

mysql> insert into test values(218, 'Game Test');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from test;

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

| id | testname |

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

| 218 | Game Test |

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

1 row in set (0.00 sec)

--------------------------------------------------------------------------------------------------------------------------------------Q9.-🡪

mysql> drop temporary tables test;

Query OK, 0 rows affected (0.00 sec)