

## ASSIGNMENT-1

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1. SELECT FIRST\_NAME AS `WORKER\_NAME` FROM Worker;
2. SELECT UPPER(FIRST\_NAME) from Worker;
3. SELECT DISTINCT DEPARTMENT FROM worker;
4. SELECT Left(FIRST\_NAME,3) from Worker;
5. SELECT POSITION('a' IN FIRST\_NAME) as position\_of\_a FROM Worker  
where FIRST\_NAME = "Amitabh";
50. SELECT a.FIRST\_NAME, a.LAST\_NAME  
FROM Worker a  
INNER JOIN Bonus b ON a.WORKER\_ID = b.WORKER\_REF\_ID  
GROUP BY a.WORKER\_ID  
HAVING SUM(a.SALARY + b.BONUS\_AMOUNT) = (  
    SELECT MAX(te)  
    FROM (  
        SELECT SUM(c.SALARY + d.BONUS\_AMOUNT) AS te  
        FROM Worker c  
        INNER JOIN Bonus d ON c.WORKER\_ID = d.WORKER\_REF\_ID  
        GROUP BY c.WORKER\_ID  
    ) AS me  
);
- 7) SELECT LTRIM(DEPARTMENT) AS DEPARTMENT FROM Worker;
- 8) SELECT DISTINCT DEPARTMENT, LENGTH(DEPARTMENT) AS  
Dept\_Length FROM Worker;
- 9) SELECT REPLACE(FIRST\_NAME, 'a', 'A') FROM Worker;

10) SELECT CONCAT(FIRST\_NAME, ' ', LAST\_NAME) AS  
COMPLETE\_NAME FROM Worker;

11) SELECT \* FROM Worker ORDER BY FIRST\_NAME ASC;

12) SELECT \* FROM Worker ORDER BY FIRST NAME ASC,  
DEPARTMENT DESC;

-- Q13)  
select \* from worker  
where FIRST\_NAME IN ('Vipul','Satish');

-- Q14)  
select \* from worker  
where FIRST\_NAME Not IN ('Vipul','Satish');

-- Q15)  
select \* from Worker  
where department='Admin';

-- Q16)  
select \* from worker  
where FIRST\_NAME LIKE '%a%';

-- Q17)  
  
select \* from worker  
where FIRST\_NAME LIKE '\_%a';

-- Q18)  
  
select \* from worker  
where FIRST\_NAME LIKE '\_%h' and FIRST\_NAME like '\_\_\_\_\_';

-- Q19)  
select \*from worker  
where salary between 100000 and 500000;

Q 19)

select \* from worker where salary>100000 and salary<500000;

Q 20)

```
select * from worker where joining_date >= "2014-02-01" and joining_date <= "2014-02-28";
```

Q 21)

```
select count(*) from worker where department="Admin";
```

Q 22)

```
select first_name,last_name from worker where salary>50000 and salary<100000;
```

Q 23)

```
select department,count(*) as "number of workers" from worker group by department order by count(*) desc;
```

Q 31)

```
select now();
```

Q 41)

```
select department,count(*) as "number of workers" from worker group by department;
```

-- Q26)

```
SELECT *  
FROM Worker  
WHERE worker_id in(  
select worker_id from worker where worker_id%2!=0);
```

-- Q27)

```
select *  
from worker  
where worker_id in(  
select worker_id from worker where worker_id%2=0  
);
```

-- Q28)

```
create table demo as  
select * from Worker;
```

```
select *from demo;
```

```
-- Q29)
```

```
select *  
from Worker as w  
inner join Bonus as b  
on w.worker_id=b.worker_ref_id;
```

```
-- Q30)
```

```
select *  
from Worker as w  
left join Bonus as b  
on w.worker_id=b.worker_ref_id  
where b.worker_ref_id is null;
```

```
-- Q31)
```

```
SELECT current_timestamp() AS CurrentTime;
```

```
-- Q32
```

```
select *  
from worker  
limit 5;
```

```
-- Q33)
```

```
SELECT *  
FROM (  
    SELECT Salary, ROW_NUMBER() OVER (ORDER BY Salary DESC) AS  
    RowNum  
    FROM worker  
) Ranked  
WHERE RowNum = 2;
```

```
-- Q34)
```

```
SELECT *  
FROM (  
    SELECT Salary, ROW_NUMBER() OVER (ORDER BY Salary DESC) AS  
    RowNum  
    FROM worker  
) Ranked  
WHERE RowNum = 5;
```

```
-- Q35)
```

```
select salary,count(salary) as no_of_worker
from worker
group by salary;
```

```
-- Q36)
select salary
from worker
order by salary desc
```

```
limit 1 offset 1;
```

```
-- Q37
select *from worker
union all
```

```
select * from worker ;
```

```
-- Q38)
select *
from Worker as w
inner join Bonus as b
on w.worker_id=b.worker_ref_id;
```

```
-- Q39)
SELECT * FROM worker
LIMIT (SELECT COUNT(*) / 2 FROM worker);
```

```
-- Q40)
select department,count(department)
from Worker
group by department
having count(department)<5 ;
```

```
-- Q41)
select department,count(department)
from Worker
group by department;
```

```
-- Q42)
select *
from Worker
order by WORKER_ID DESC
LIMIT 1;
```

```
-- Q43)
SELECT *
FROM WORKER
LIMIT 1;
```

```
-- Q44)
```

```
select *
from Worker
order by WORKER_ID DESC
LIMIT 5;
```

```
-- Q45)
```

```
select first_name ,salary,department
from Worker
where (department,salary) in(
select DEPARTMENT,max(salary)
from Worker
group by department
);
```

```
-- Q46)
```

```
select salary
from worker
group by salary
order by salary desc
limit 3;
```

```
-- Q47)
```

```
select salary
from worker
group by salary
order by salary asc
limit 3;
```

```
-- 48)
```

```
select *
from Worker
order by WORKER_ID DESC
LIMIT 1;
```

```
-- Q49)
```

```
select department,sum(salary) as total_salary
from Worker
```

group by department;

-- Q50)

select FIRST\_NAME,SALARY  
from Worker

WHERE SALARY=(SELECT MAX(SALARY) FROM WORKER);