

## Worker DATABASE

### Create Database Workers

```
Create table Worker(  
  WorkerID int not null,  
  FirstName Varchar(25) not null,  
  LastName varchar(25) not null,  
  Salary money not null,  
  JoiningDate datetime null,  
  Department Varchar(25) not null,  
);  
  
insert into Worker Values(1,'Saniuzzaman','Robin',100000,'2014-02-20 09:00:00','HR')  
insert into Worker(WorkerId,FirstName,LastName,Salary,joiningDate,Department)  
Values(2,'Saikat','Das',80000,'2014-06-11 09:00:00','Admin')  
insert into Worker(WorkerId,FirstName,LastName,Salary,joiningDate,Department)  
values(3,'Sohel','Arman',300000,'2014-02-20 09:00:00','HR'),  
(4,'Rakib','Islam',500000,'2014-02-20 09:00:00','Admin'),  
(5,'Sharipul','Islam',500000,'2014-06-11 09:00:00','Admin'),  
(6,'Tanvir','Ahmed',90000,'2014-06-11 09:00:00','Account'),  
(7,'Shweta','Talukder',500000,'2014-01-20 09:00:00','Account'),  
(8,'Shreya','Talukder',75000,'2014-04-11 09:00:00','Admin');  
  
select * from Worker
```

```
Delete from Worker where WorkerID=1
```

```
alter table Worker Alter column WorkerId int not null
```

```
ALTER TABLE Worker  
ADD CONSTRAINT PK_Person PRIMARY KEY (WorkerID);
```

```
Create table Bonus  
(  
  WorkerrefId int not null,  
  BonusDate datetime null,  
  Bonusamount money not null,  
  foreign key(WorkerrefID) references Worker(WorkerID)  
  on delete cascade  
);
```

```
insert into Bonus(WorkerrefID,BonusDate,Bonusamount)  
values (1,'2016-02-20 00:00:00',5000),  
(2,'2016-06-11 00:00:00',3000),  
(3,'2016-02-20 00:00:00',4000),  
(1,'2016-02-20 00:00:00',4500),  
(2,'2016-06-11 00:00:00',3500);
```

```
select * from Bonus
```

```
Create table Title(  
  WorkerrefID int not null,  
  Worker_Title char(25) not null,  
  Affected_from datetime not null,  
  foreign key(WorkerrefID) references Worker(WorkerID)
```

```

);

insert into Title(WorkerrefID,Worker_title,Affected_from)
values(1,'Manager','2016-02-20 00:00:00'),
(2,'Executive','2016-06-11 00:00:00'),
(8,'Executive','2016-06-11 00:00:00'),
(5,'Manager','2016-06-11 00:00:00'),
(4,'Asst. Manager','2016-06-11 00:00:00'),
(7,'Executive','2016-06-11 00:00:00'),
(6,'Lead','2016-06-11 00:00:00'),
(3,'Lead','2016-06-11 00:00:00');

select * from Title

select FirstName as WORKER_NAME from Worker
select upper(FirstName) from Worker
select distinct(Department) from worker
Select substring(FirstName,1,3) as SubstringName from Worker

Select charindex('a', FirstName) from Worker where FIRSTNAME = 'Saikat';
select ltrim(FirstName) from Worker
select distinct len(Department) from Worker
select replace(FirstName,'a','A') from Worker
select concat(FirstName,' ',LastName) as Complete_Name from Worker

select * from Worker order by FirstName ASC
select * from Worker order by FirstName ASC,Department DESC

select * from Worker Where FirstName = 'Shweta' or LastName='Talukder'
select * from Worker Where FirstName in('Saikat','Shweta')
select * from Worker Where FirstName not in('Saikat','Shweta')
select * from Worker Where Department='Admin'
select * from Worker where FirstName like '%a%'
select * from Worker where FirstName like '%a'
select * from Worker where FirstName like '%____a'
select * from Worker where Salary between 100000 and 500000
select * from Worker where Year(JoiningDate)='2014' and Month(JoiningDate)=2
select Count(*) As CounterName From Worker Where Department = 'Admin'
select concat(FirstName,' ',LastName) as FullName,Salary,Joiningdate,WorkerID from Worker
where Salary >=100000 and Salary<=500000
Select Department,Count(WorkerID) as NO_OF_WORKERS
from Worker
group by Department Order by NO_OF_WORKERS DESC

select distinct w.FirstName,t.Worker_title
from Worker as w
inner join Title as t
on w.WorkerID=t.WorkerrefID
where t.Worker_Title='Manager'
select Worker_title,Affected_From,Count(*) as no_of_workers
from Title
Group by Worker_title,Affected_from
having count(*)>1

select *from Worker
where WorkerID%2!=0

SELECT * INTO WorkerClone FROM Worker;

```

```

Delete WorkerClone
Drop table WorkerClone
select * from Worker

select * from Title
Select
w.WorkerID,w.firstName,w.lastName,w.Salary,w.joiningdate,w.Department,t.Worker_title,t.Affected_From
From worker as w
left join Title as t
on w.WorkerID=t.WorkerrefID

select Getdate()

select top 5 * from Worker

SELECT TOP 1 salary FROM ( SELECT DISTINCT TOP 5 salary FROM Worker ORDER BY salary DESC
) AS temp ORDER BY salary ASC

SELECT Salary
FROM Worker W1
WHERE 4 = (
SELECT COUNT( DISTINCT ( W2.Salary ) )
FROM Worker W2
WHERE W2.Salary >= W1.Salary
);

select w.WorkerID,w.FirstName,w.LastName,w.Salary,w.JoiningDate,w.Department from Worker
as w,Worker as w1
where w.salary=w1.Salary
and w.FirstName!=w1.FirstName

SELECT TOP 1 salary FROM ( SELECT DISTINCT TOP 2 salary FROM Worker ORDER BY salary DESC
) AS temp ORDER BY salary ASC

Select max(Salary) from Worker
where Salary not in (Select max(Salary) from Worker);

SELECT TOP 50 PERCENT * FROM Worker;

select count(WorkerID) as NO_OF_WORKER , Department from Worker group by Department

select * from Worker
where WorkerID =(Select MAX(WorkerID) from Worker)

select * from Worker
where WorkerID=(select Min(WorkerID) from Worker)

select * from Worker
where WorkerID>(select (MAX(WorkerID)-5) from Worker) and WorkerID <=(select
MAX(WorkerID) from Worker)

select distinct a.Salary from Worker as a
where (Select count(distinct salary) From Worker as b where a.Salary<=b.salary)<=3
order by a.Salary desc

```

```
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where (SElect count(distinct salary) From Worker as b where a.Salary<=b.salary)<=3
order by a.Salary ASC
```