

ASSIGNMENT 3

```
create table "employee"(  
  "emp_id" int primary key,  
  "dept_id" int,  
  "mngr_id" int ,  
  "emp_name" varchar(20),  
  "salary" decimal(6,2)  
)
```

```
insert into employee (emp_id,emp_name,salary,dept_id) values (68319 ,'KAYLING ', 6000.00  
,1001);
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (66928 ,'BLAZE ',  
68319 , 2750.00 ,3001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (67832 ,'CLARE ',  
68319 , 2550.00 ,1001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (65646 ,'JONAS ',  
68319 , 2957.00 ,2001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (67858 ,'SCARLET ',  
65646 , 3100.00 ,2001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (69062 ,'FRANK ',  
65646 , 3100.00 ,2001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (63679 ,'SANDRINE ',  
69062 , 900.00 ,2001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (64989 ,'ADELYN ',  
66928 , 1700.00 ,3001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (65271 ,'WADE ',  
66928 , 1350.00 ,3001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (66564 ,'MADDEN ',  
66928 , 1350.00 ,3001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (68454 ,'TUCKER ',  
66928 , 1600.00 ,3001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (68736 ,'ADNRES ',  
67858 , 1200.00 ,2001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (69000 ,'JULIUS ',  
66928 , 1050.00 ,3001 );
```

```
insert into employee (emp_id,emp_name,mngr_id,salary,dept_id) values (69324 ,'MARKER ',  
67832 , 1400.00 ,1001 );
```

```
create table department(  
  dept_id int primary key,  
  dept_name varchar(20)  
)
```

```
insert into department(dept_id, dept_name) values (1001,'FINANCE ');
```

```
insert into department(dept_id, dept_name) values (2001,'AUDIT  ');
insert into department(dept_id, dept_name) values (3001,'MARKETING ');
insert into department(dept_id, dept_name) values (4001,'PRODUCTION');
```

```
PRESIDENT
MANAGER
MANAGER
MANAGER
ANALYST
ANALYST
CLERK
SALESMAN
SALESMAN
SALESMAN
SALESMAN
CLERK
CLERK
CLERK
```

```
USE [assignment_tatvasoft]
GO
```

```
SELECT [emp_id]
      ,[dept_id]
      ,[mnggr_id]
      ,[emp_name]
      ,[salary]
FROM [dbo].[employee]
GO
```

```
USE [assignment_tatvasoft]
GO
```

```
SELECT [dept_id]
      ,[dept_name]
FROM [dbo].[department]
GO
```

1. write a SQL query to find Employees who have the biggest salary in their Department
select top 1 * from employee ORDER BY salary DESC;

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```
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```

90 %

Results Messages

	emp_id	dept_id	mngr_id	emp_name	salary
1	68319	1001	NULL	KAYLING	6000.00

2. write a SQL query to find Departments that have less than 3 people in it

```
SELECT department.dept_name,employee.dept_id,count(emp_name),SUM(salary)
FROM employee
INNER JOIN department
ON employee.dept_id =department.dept_id
GROUP BY department.dept_name,employee.dept_id
HAVING COUNT(*) > 3;
```

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GROUP BY department.dept_name,employee.dept_id
HAVING COUNT(*) > 3;
```

90 %

Results Messages

	dept_name	dept_id
1	AUDIT	2001
2	MARKETING	3001

3. write a SQL query to find All Department along with the number of people there

```
SELECT department.dept_name,employee.dept_id,count(emp_name) as "number of people"
FROM employee
INNER JOIN department
```

ON employee.dept_id =department.dept_id
GROUP BY department.dept_name,employee.dept_id

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INNER JOIN department  
ON employee.dept_id =department.dept_id  
GROUP BY department.dept_name,employee.dept_id
```

90 %

Results Messages

	dept_name	dept_id	number of people
1	FINANCE	1001	3
2	AUDIT	2001	5
3	MARKETING	3001	6

4. write a SQL query to find All Department along with the total salary there

```
SELECT department.dept_name,employee.dept_id,count(emp_name)as "number of  
people",SUM(salary) "total of salary"  
FROM employee  
INNER JOIN department  
ON employee.dept_id =department.dept_id  
GROUP BY department.dept_name,employee.dept_id
```

4. write a SQL query to find All Department along with the total salary there

```
SELECT department.dept_name,employee.dept_id,count(emp_name)as "number of people",SUM(salary) "total of salary"  
FROM employee  
INNER JOIN department  
ON employee.dept_id =department.dept_id  
GROUP BY department.dept_name,employee.dept_id
```

90 %

Results Messages

	dept_name	dept_id	number of people	total of salary
1	FINANCE	1001	3	9950.00
2	AUDIT	2001	5	11257.00
3	MARKETING	3001	6	9800.00