**Introduction to Database**

**(**[IntroDB\_lab\_group\_function\_begginer](https://portal.aiub.edu/Common/Section/DownloadDocument2?q=9nUWhje12%2FCl95cuXXeLWZa%2FZh9P3UJTO4Ls%2Btn6zqIUjzuQqUnMDG3vLBL8%2FE2eOnUZg3k0eYN9RydKZ2YF9P5pnfLaewOp1fB%2B4jR7WwZ3iZCSTG26lw%3D%3D)**)**

**Lab Exercise**

1. Display all the employees who total salary is more than 2000.

(**Total Salary** = Sal + Comm)

* select \* from EMP where SAL+COMM >2000;

1. Find out the most junior and the most senior employee’s joining date in a single query.

* select max(HIREDATE),min(HIREDATE) from EMP;

1. Find out the job wise total salaries.

* select JOB, sum(SAL)from EMP group by JOB;

1. Display the average salary of all CLERKS and ANALYST who belong from deptno 10 and 20.

* select avg(SAL) from EMP where JOB in ('ANALYST','MANAGER') and DEPTNO in (10,20);

1. Display total,average salaries for the employees whose employee number is not from 7288 to 7790.

* select round(avg(SAL),2) from emp where EMPNO not between 7288 and 7790

1. Display total salaries for all the Managers and Analysts, only if the individual got more than 2000 will be considered.

* select sum(SAL) from EMP where JOB in('MANAGER','ANALYST') and SAL>2000 group by SAL;

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1. Find out the number of ANALYST we have.

* select count(\*) from EMP where JOB='ANALYST';

1. Find out the number of manager and analyst. (Department wise)

* select count(\*) from EMP where JOB in('MANAGER','ANALYST') and DEPTNO=10; 1
* select count(\*) from EMP where JOB in('MANAGER','ANALYST') and DEPTNO=10; 3
* select count(\*) from EMP where JOB in('MANAGER','ANALYST') and DEPTNO=30; 1
* select DEPTNO,count(\*) from EMP where JOB in('MANAGER','ANALYST') group by DEPTNO;

1. Show the department wise employee numbers, only if the department have less than 3 employees

* Select DEPTNO, count(\*) from EMP group by DEPTNO having count(\*)<3;

1. Find out the department who has more than 3 managerss.

* select DEPTNO,count(\*) from EMP where JOB='MANAGER' group by DEPTNO having count(\*)>3;