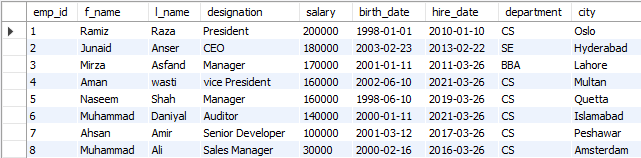
**Lab02\_Assignment**

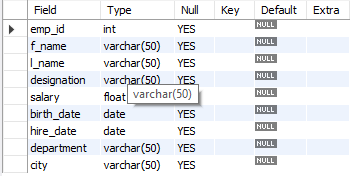
**Task Screenshots:**

**Task1:**

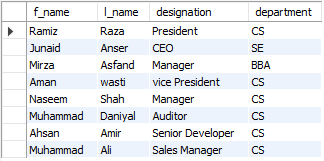
create table Employees (emp\_id int, f\_name varchar(50),l\_name varchar(50), designation varchar(50), salary float, birth\_date date, hire\_date date, department varchar (50), city varchar(50));

**Task2:**

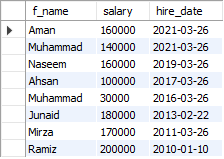




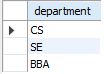
**Task 3:**



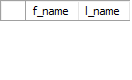
**Task 4:**



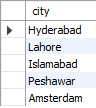
**Task 5:**



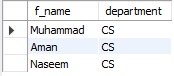
**Task 6:**



**Task 7:**



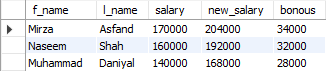
**Task 8:**



**Task 9:**



**Task 10:**



**Mysql Code:**

create database assignment\_2;

use assignment\_2;

create table Employees (emp\_id int, f\_name varchar(50),l\_name varchar(50), designation varchar(50), salary float, birth\_date date, hire\_date date, department varchar (50), city varchar(50));

insert into Employees values ('1','Ramiz','Raza','President','200000','1998-01-01','2010-01-10','CS','Oslo'),('2','Junaid','Anser','CEO','180000','2003-02-23','2013-02-22','SE','Hyderabad'),('3','Mirza','Asfand','Manager','170000','2001-01-11','2011-03-26','BBA','Lahore'),('4','Aman','wasti','vice President','160000','2002-06-10','2021-03-26','CS','Multan'),('5','Naseem','Shah','Manager','160000','1998-06-10','2019-03-26','CS','Quetta'),('6','Muhammad','Daniyal','Auditor','140000','2000-01-11','2021-03-26','CS','Islamabad'),('7','Ahsan','Amir','Senior Developer','100000','2001-03-12','2017-03-26','CS','Peshawar'),('8','Muhammad','Ali','Sales Manager','30000','2000-02-16','2016-03-26','CS','Amsterdam');

describe Employees;

select f\_name,l\_name,designation,department from Employees;

select f\_name,salary,hire\_date from Employees order by hire\_date desc;

select distinct department from Employees;

select f\_name, l\_name from Employees

where salary <= 40000 and hire\_date between '2021-01-01' and '2021-12-31';

select city from Employees

where city like "%r%" or city like"%i%";

select f\_name, department from Employees

where hire\_date between "2019-02-01" and "2021-10-31" order by hire\_date desc,salary asc;

select f\_name, l\_name from Employees

where designation = 'Manager' and city = 'Lahore';

select f\_name, l\_name, salary , salary \* 1.2 as new\_salary , salary \* 0.2 as bonous from Employees

where designation = 'Manager' or designation = 'Auditor' ;