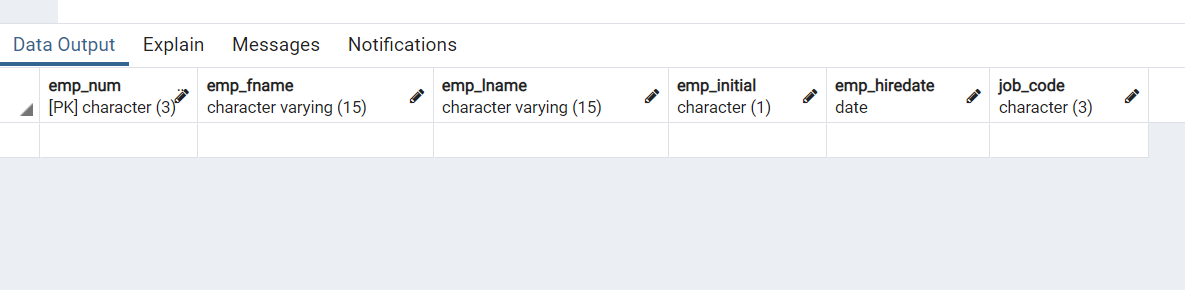
118A1084

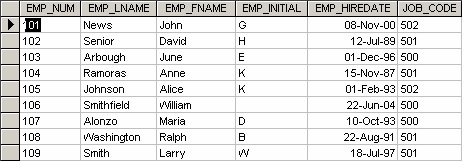
**EXPERIMENT NO-3**

Create the table   
Table: Employee

|  |  |
| --- | --- |
| ATTRIBUTE (FIELD) NAME | DATA DECLARATION |
| EMP\_NUM | CHAR(3) |
| EMP\_LNAME | VARCHAR(15) |
| EMP\_FNAME | VARCHAR(15) |
| EMP\_INITIAL | CHAR(1) |
| EMP\_HIREDATE | DATE |
| JOB\_CODE | CHAR(3) |

**create table employee(emp\_num char(3) primary key,emp\_fname varchar(15),emp\_lname varchar(15),emp\_initial char(1),emp\_hiredate date,job\_code char(3))**





**insert into employee (emp\_num,emp\_fname,emp\_lname,emp\_initial,emp\_hiredate,job\_code) values**

**('101','John','News','G','2000-11-08','502'),**

**('102','David','Junior','H','1989-07-12','501'),**

**('103','June','Arbough','E','1996-12-01','500'),**

**('104','Anne','Ramoras','K','1987-11-15','501'),**

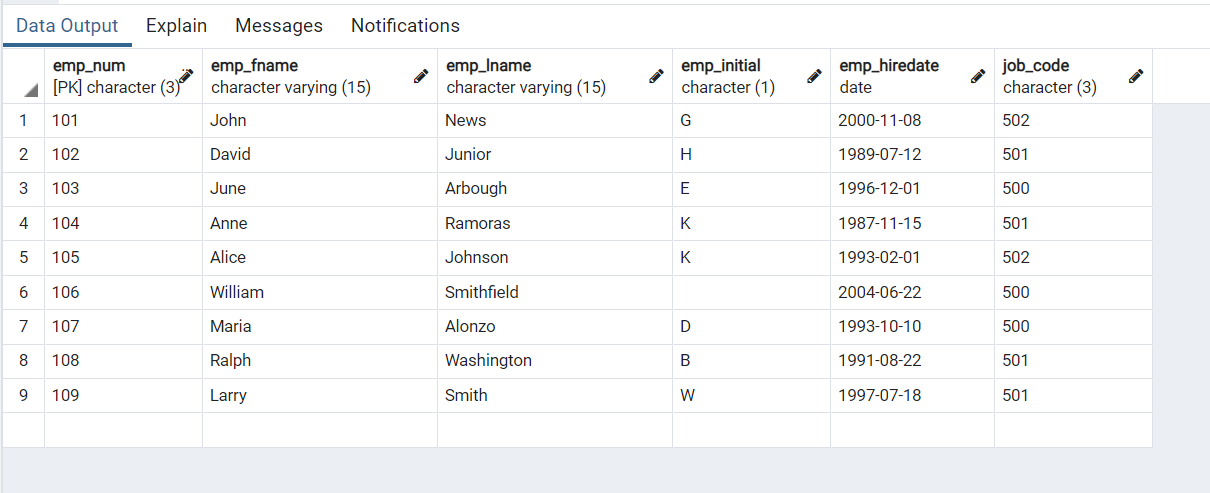
**('105','Alice','Johnson','K','1993-02-01','502'),**

**('106','William','Smithfield','','2004-06-22','500'),**

**('107','Maria','Alonzo','D','1993-10-10','500'),**

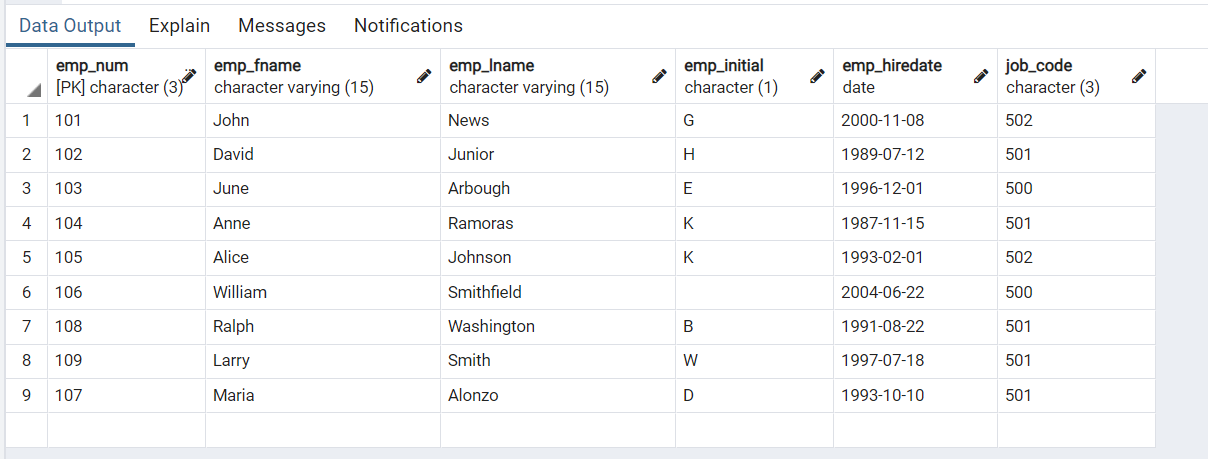
**('108','Ralph','Washington','B','1991-08-22','501'),**

**('109','Larry','Smith','W','1997-07-18','501');**



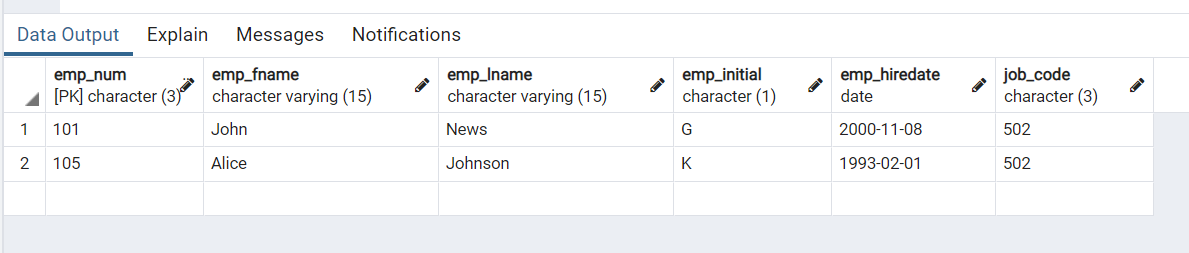
1. Write the SQL code to change the job code to 501 for the person whose personnel number is 107. After you have completed the task, examine the results, and then reset the job code to its original value.

**update employee set job\_code='501' where emp\_num='107'**



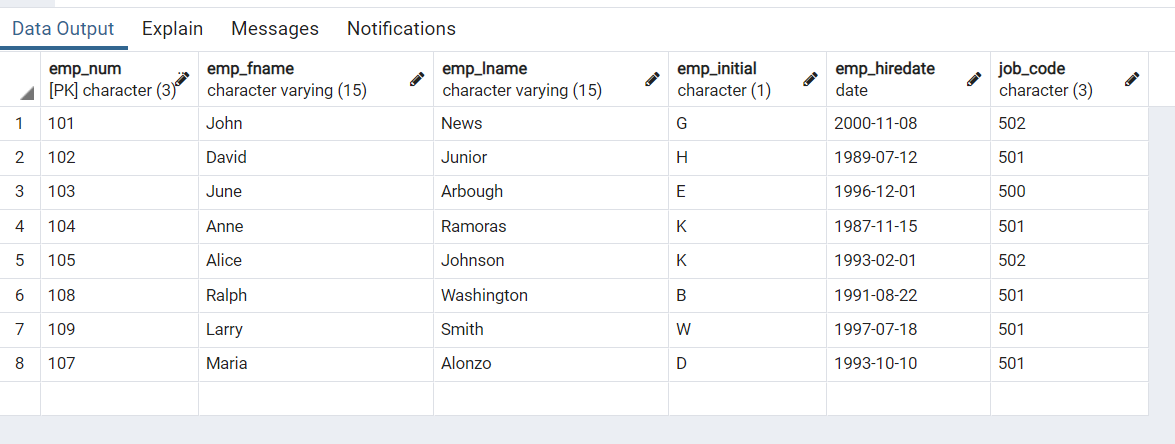
1. Insert the data in Employee table, write the SQL code that lists all attributes for a job code of 502.

**select \* from employee where job\_code='502'**



1. Write the SQL code to delete the row for the person named William Smithfield, who was hired on June 22, 2004, and whose job code classification is 500. (*Hint*: Use logical operators to include all the information given in this problem.

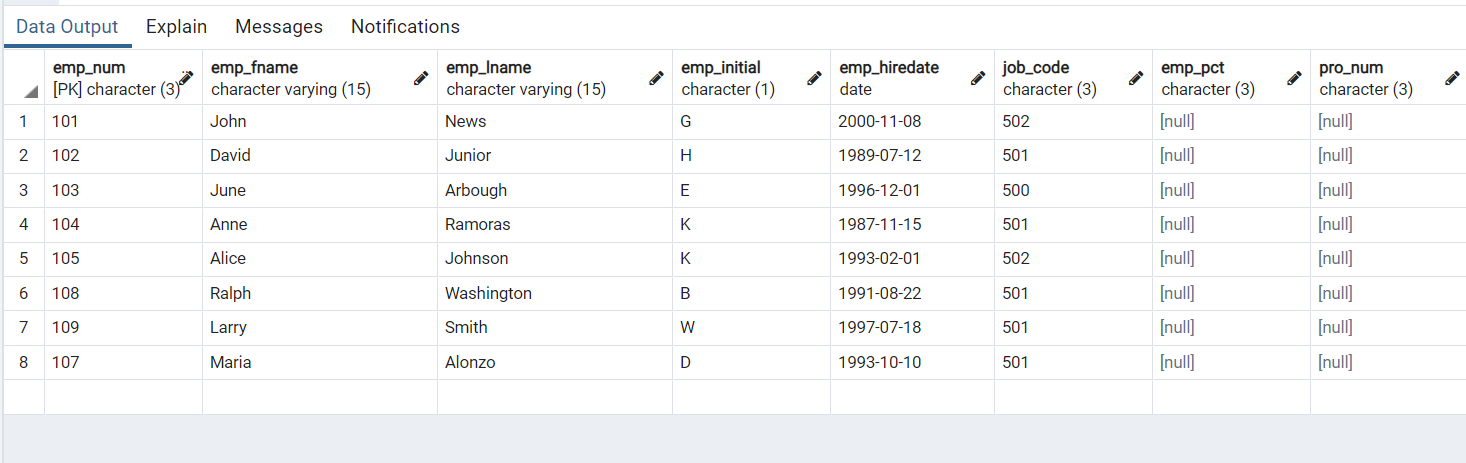
**delete from employee where (emp\_fname='William' and emp\_lname='Smithfield' and emp\_hiredate='2004-06-22')**



1. Add the attributes EMP\_PCT and PROJ\_NUM to the Employee table. The EMP\_PCT is the bonus percentage to be paid to each employee.

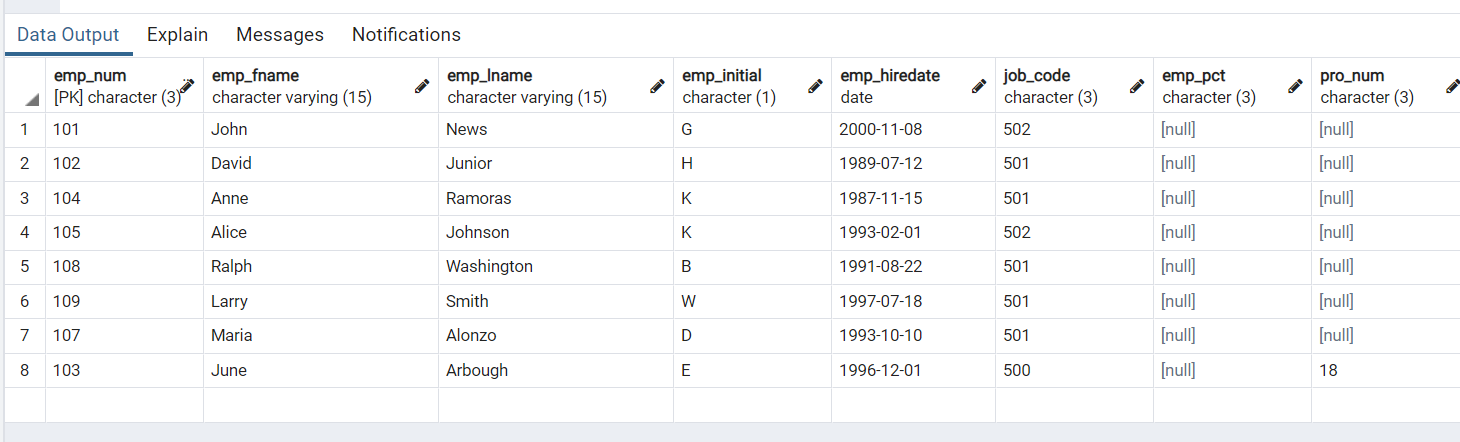
**alter table employee add emp\_pct char(3);**

**alter table employee add pro\_num char(3);**



1. Using a single command, write the SQL code that will enter the project number (PROJ\_NUM) = 18 for all employees whose job classification (JOB\_CODE) is 500.

**update employee set pro\_num='18' where job\_code='500'**



1. Write the SQL code that will change the PROJ\_NUM to 14 for those employees who were hired before January 1, 1994, and whose job code is at least 501. (You may assume that the table will be restored to its original condition preceding this question.)

**update employee set pro\_num='14' where (emp\_hiredate<='1994-01-01' and job\_code>='501')**

