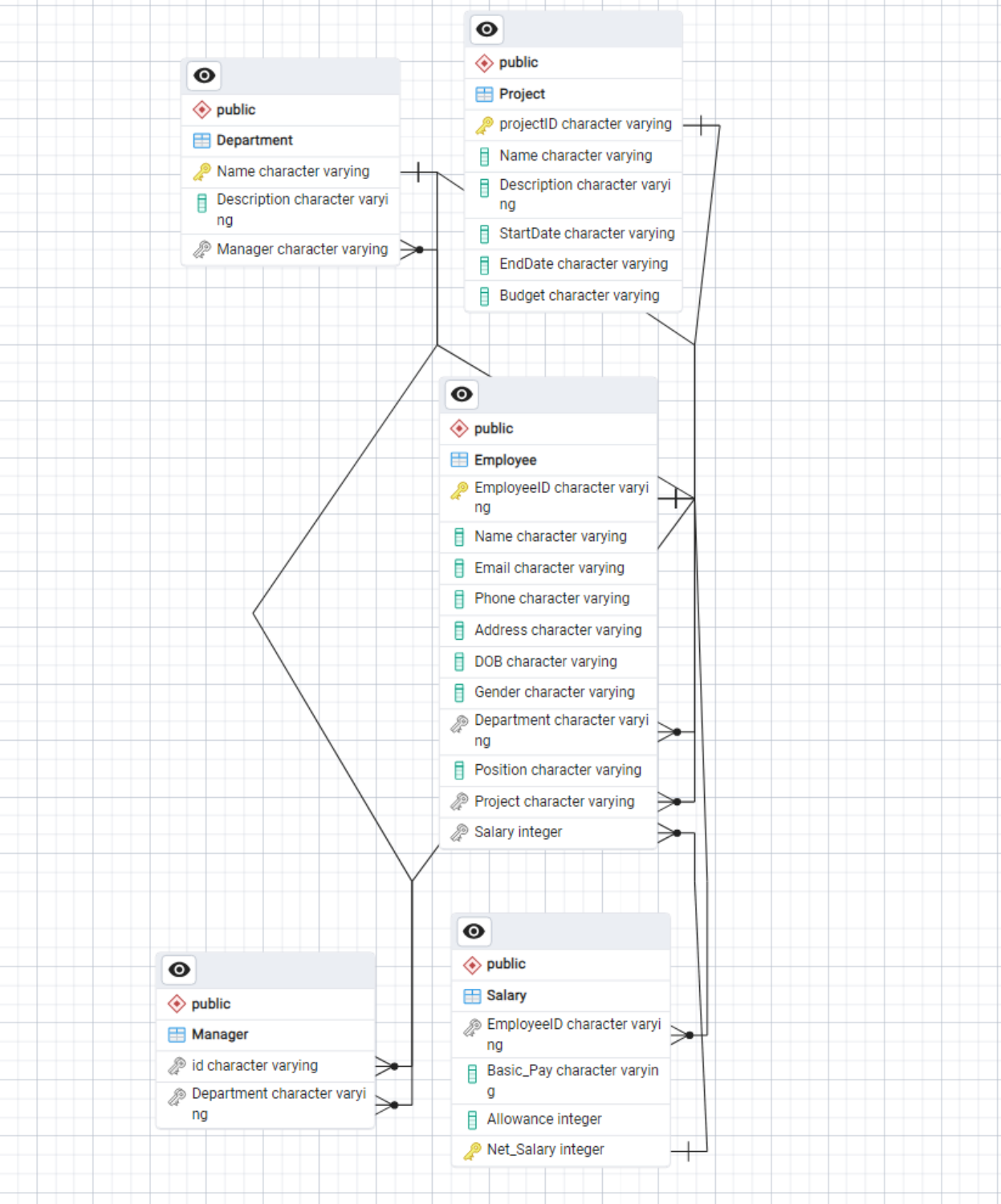
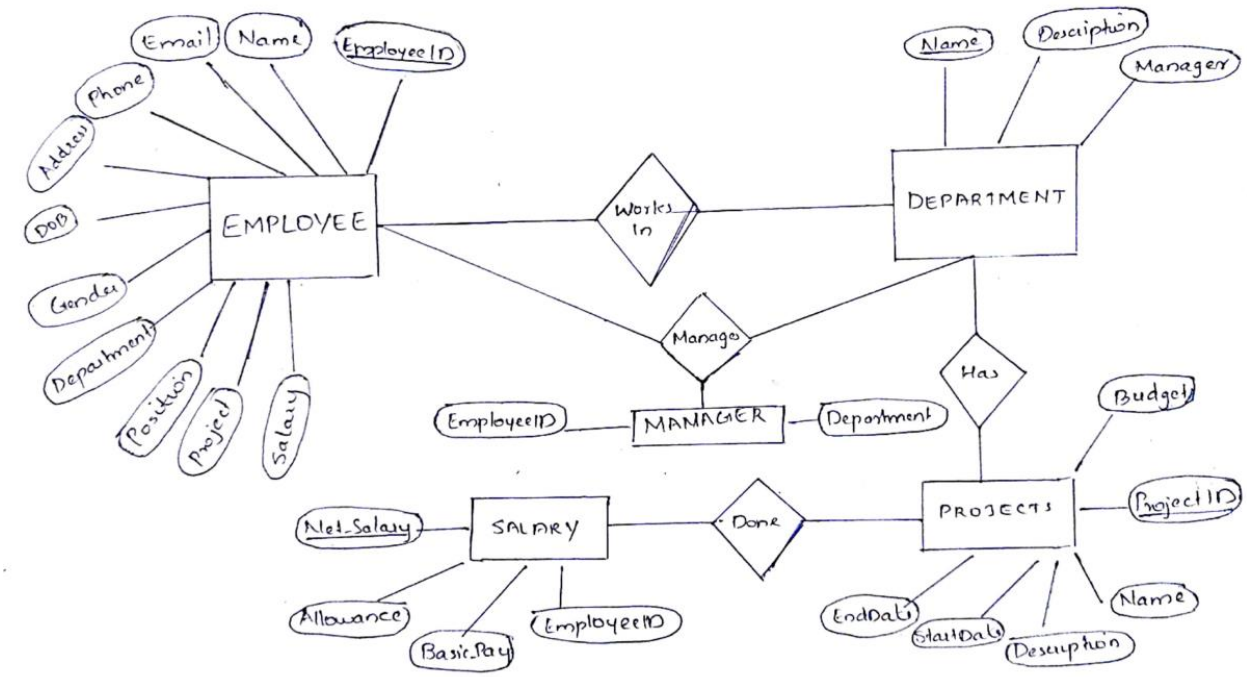
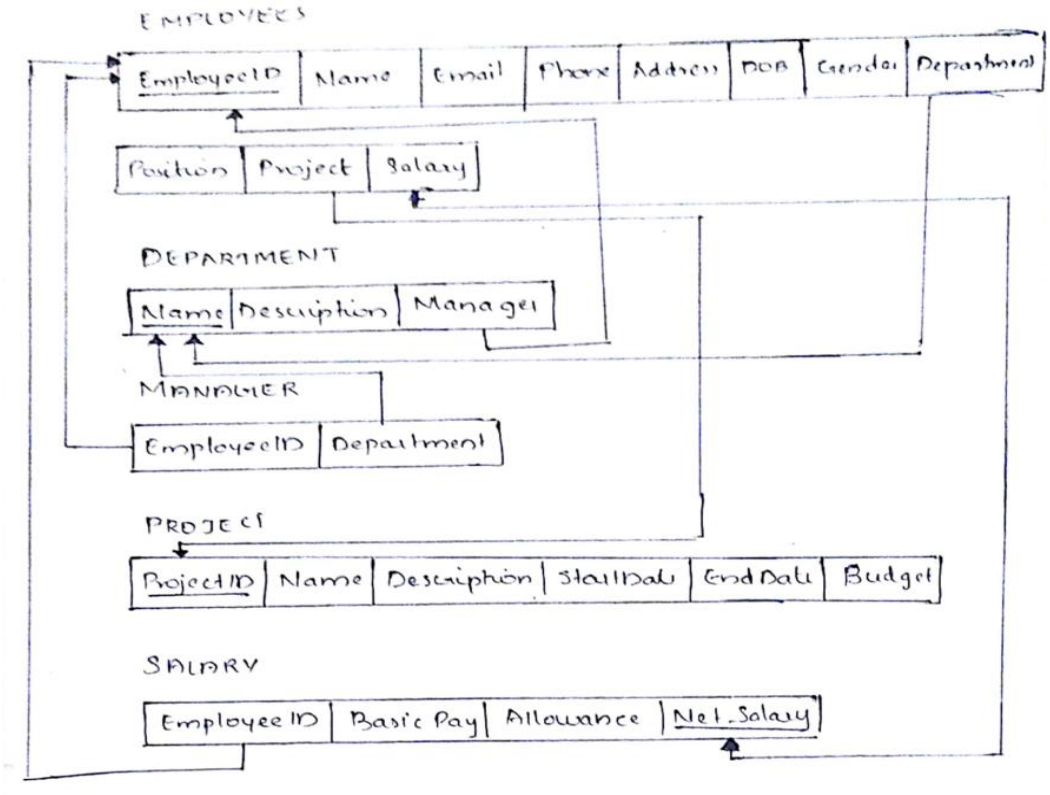
EMPLOYEE MANAGEMENT SYSTEM

1)ER DIAGRAM FOR EMPLOYEEE MANAGEMENT SYSTEM




Email
Name
EmployeeID
Phone
Address
DOB
Gender
Department
Position
Project
Salary
EMPLOYEE
Works In
DEPARTMENT
Name
Description
Manager
Manages
Has
EmployeeID
MANAGER
Department
Budget
ProjectID
Net_Salary
SALARY
Done
PROJECTS
Allowance
Basic_Pay
EmployeeID
EndDate
StartDate
Description
Name


EMPLOYEES
EmployeeID | Name | Email | Phone | Address | DOB | Gender | Department
Position | Project | Salary
DEPARTMENT
Name | Description | Manager
MANAGER
EmployeeID | Department
PROJECT
ProjectID | Name | Description | StartDate | EndDate | Budget
SALARY
EmployeeID | Basic Pay | Allowance | Net_Salary

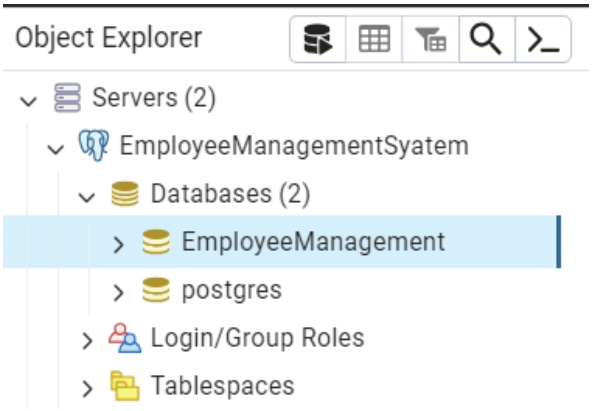
2)CREATE A DATABASE

Query | Query History

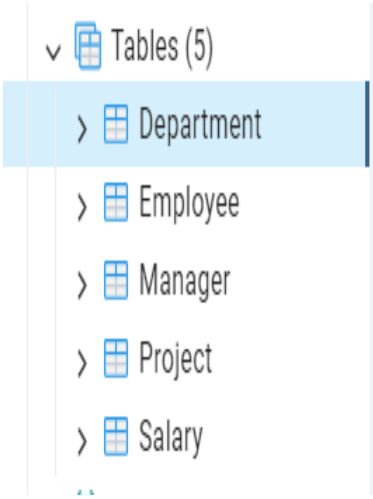
```
1  CREATE DATABASE "EmployeeManagement"
```

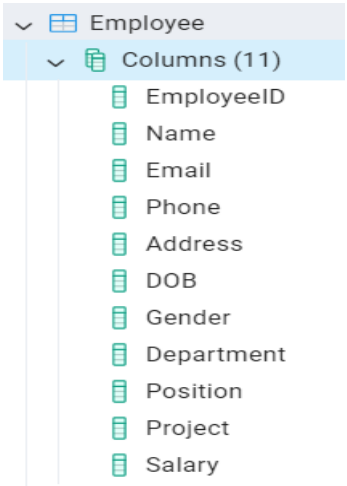
Data Output | Messages | Notifications

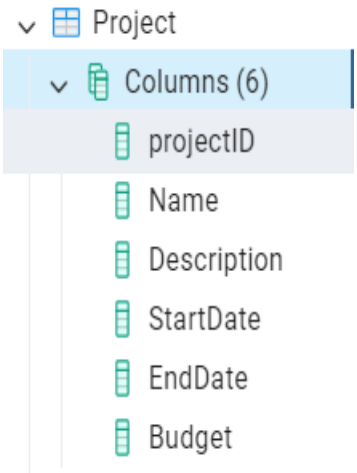
```
CREATE DATABASE

Query returned successfully in 2 secs 508 msec.
```

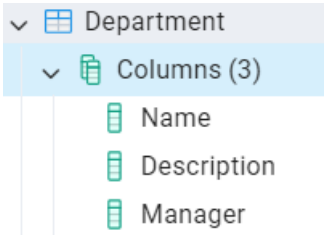


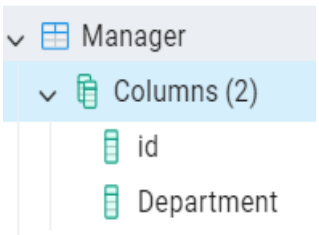
3)ADD TABLES RESPECTIVE TO ER DIAGRAMS

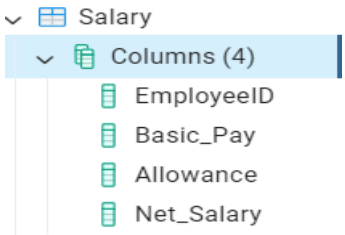












ADDING COLUMNS TO THE TABLE Employee

Employee

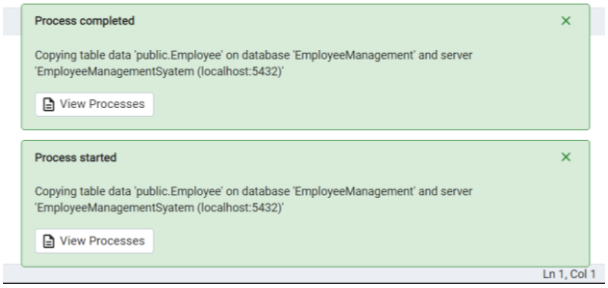
General | Columns | Advanced | Constraints | Parameters | Security | SQL

Columns

	Name	Data type	Length/Precision	Scale	Not NULL?	Primary key?	Default
	EmployeeID	character varying			✓	✓	
	Name	character varying			✓		
	Email	character varying			✓		
	Phone	character varying			✓		
	Address	character varying			✓		
	DOB	character varying					
	Gender	character varying					
	Department	character varying			✓		
	Position	character varying			✓		

4)ADD DATA TO EACH TABLE WITH MINIMUM OF 100 ROWS

IMPORTING A CSV FILE WITH RANDOM DATAS



5)SELECT QUERY WITH AND WITHOUT CONDITION

WITHOUT CONDITION

Query | Query History

Scratch Pad

```
SELECT * FROM public."Employee"
```

Data Output | Messages | Notifications

	EmployeeID [PK] character varying	Name character varying	Email character varying	Phone character varying	Address character varying	DOB character varying	Gender character varying	Department character varying
1	04-269-0064	Brett	brace1l@wisc.edu	2865919189	Room 173	05-01-1981	Male	Engineering
2	05-960-2237	Halsy	hollivier2i@spotify.com	1911886197	5th Floor	13-12-1996	Male	Engineering
3	09-014-4465	Gusta	gduquesnay3@furl.net	9768561217	Apt 1877	15-06-1989	Female	Product Management
4	09-314-0164	Rahel	rshaleb@vinaora.com	3075821452	Suite 57	28-04-1982	Female	Product Management
5	10-653-6946	Culley	cmeriotg@theatlantic.com	7133642175	Room 280	26-09-1976	Male	Support
6	10-834-3894	Cletus	cdobbie23@google.fr	3341123127	PO Box 29558	21-09-1976	Male	Marketing
7	10-929-1223	Dorthea	dtomney2b@ted.com	8299098343	Apt 1356	09-11-1993	Female	Marketing
8	12-960-1708	Mattheus	mhadleigh21@a8.net	4725577839	PO Box 78682	24-08-1999	Male	Legal
9	13-383-7176	Maressa	mdaleman1v@state.tx.us	8856855298	Apt 507	06-08-1988	Bigender	Services
10	14-399-9054	Kelsey	kpessold15@istockphoto.com	5922768706	Apt 133	10-09-1982	Male	Sales
11	16-043-0501	Donica	dsedgefield10@ning.com	7945174769	Suite 21	15-07-1991	Female	Product Management
12	17-430-8749	Wang	whabbert1q@mtv.com	8523682635	Room 344	26-04-1987	Male	Marketing
13	24-060-1047	Derward	dferneley1w@blogtalkradio.com	8704733422	16th Floor	13-08-1995	Male	Sales
14	26-999-0495	Imelda	ialimanx@amazon.co.uk	7086412473	Apt 730	17-01-1987	Female	Sales
15	27-029-3970	Dacy	dmottershaw22@github.io	1133627998	Apt 1547	10-09-1995	Female	Services
16	28-473-1599	Jaymee	jmocker1h@artisteer.com	7939039373	Room 869	19-05-1996	Female	Research and Development
17	29-437-3634	Lorianna	lpenellaq@narod.ru	7243064524	Room 268	30-06-1997	Female	Product Management
18	29-471-1507	Osborn	ofoottit11@skype.com	1539290379	Apt 1742	15-08-1983	Male	Legal
19	30-098-4710	Anastasie	apatrie8@reuters.com	8045040174	Room 468	29-09-1998	Female	Training

Query | Query History

```
SELECT * FROM public."Salary"
```

Data Output | Messages | Notifications

	EmployeeID character varying	Basic_Pay character varying	Allowance character varying	Net_Salary character varying
1	81-455-9835	2406	487	2893
2	86-101-5710	3044	1170	4214
3	99-418-5078	2841	429	3270
4	95-679-2986	2170	1062	3232
5	94-834-0719	1175	746	1921
6	83-503-7541	2218	623	2841
7	31-694-2515	2260	559	2819
8	38-292-9963	1851	1116	2967
9	57-066-7082	3203	1032	4235
10	21-881-3797	1311	310	1621
11	96-470-9249	2719	651	3370
12	04-809-3102	1965	1289	3254
13	23-072-7571	2463	1446	3909
14	92-932-5211	2939	374	3313
15	31-458-1978	2206	616	2822
16	43-309-7076	2814	1277	4091
17	24-861-3466	1000	213	1213
18	76-806-0179	2050	1428	3478
19	07-711-3020	2880	505	3385

Query | Query History | Scratch Pad ×

```
SELECT * FROM public."Project"
```

Data Output | Messages | Notifications

	projectID [PK] character varying	Name character varying	Description character varying	StartDate character varying	EndDate character varying	Budget character varying
1	1	Greenlam	Exposure to radiofrequency	31-12-2023	25-11-1662	$16695.46
2	10	Prodder	Sltr-haris Type I physeal fx upper end of humerus, left arm	06-06-2023	26-06-0134	$39031.02
3	11	Transcof	Unsp injury of muscle, fascia and tendon of unsp hip, subs	15-02-2024	08-07-1203	$34543.41
4	12	Bytecard	Valgus deformity, not elsewhere classified, unspecified hip	26-09-2023	24-11-0158	$64965.05
5	13	Lotstring	Other congenital varus deformities of feet	12-12-2023	17-08-1226	$85926.35
6	14	Overhold	Residual stage of open-angle glaucoma, right eye	15-04-2023	29-10-2011	$20582.98
7	15	Trippledex	Driver of pk-up/van inj in nonclsn trnsp acc in traf, sqla	11-02-2024	29-08-1962	$26878.22

WITH CONDITION

Query | Query History | Scratch Pad

```
SELECT *FROM "Employee" WHERE "Gender"='Female';
```

Data Output | Messages | Notifications

	EmployeeID [PK] character varying	Name character varying	Email character varying	Phone character varying	Address character varying	DOB character varying	Gender character varying	Department character varying
1	54-635-0666	Martelle	mgyenes0@github.com	1004110160	2nd Floor	04-02-1980	Female	Sales
2	31-809-3971	Wally	weyre1@ehow.com	3685980167	Room 521	21-01-1998	Female	Accounting
3	09-014-4465	Gusta	gduquesnay3@furl.net	9768561217	Apt 1877	15-06-1989	Female	Product Management
4	58-886-6825	Luz	lbunt4@people.com.cn	4188242591	1st Floor	12-11-1985	Female	Accounting
5	30-098-4710	Anastasie	apatrie8@reuters.com	8045040174	Room 468	29-09-1998	Female	Training
6	09-314-0164	Rahel	rshaleb@vinaora.com	3075821452	Suite 57	28-04-1982	Female	Product Management
7	76-445-3563	Ashely	atrunchiond@timesonline.co.uk	7261334551	Apt 1012	29-07-1999	Female	Support
8	98-684-5982	Hedwig	hhannani@cbslocal.com	2965510659	PO Box 21068	22-06-1975	Female	Services
9	57-381-4832	Catina	cskivingtonj@networkadvertising.org	2822010290	Apt 1514	02-12-1988	Female	Training
10	41-335-2678	Trudey	tcouzensm@sogou.com	8295426519	PO Box 60191	09-05-1994	Female	Sales
11	95-686-4876	Ginevra	gambresinn@ycombinator.com	5672713712	Suite 38	08-03-1989	Female	Human Resources
12	96-683-3014	Allie	amarkingo@techcrunch.com	5888936978	10th Floor	05-08-1998	Female	Training
13	89-401-9836	Correna	cpeacockep@ebay.co.uk	7663797731	Apt 1128	05-10-1986	Female	Accounting
14	29-437-3634	Lorianna	lpenellaq@narod.ru	7243064524	Room 268	30-06-1997	Female	Product Management
15	36-373-8389	Noni	nfishleys@fda.gov	3139049444	Apt 1335	10-07-1984	Female	Marketing
16	81-457-0348	Heidie	hcholoniu@bigcartel.com	6409746586	19th Floor	12-10-1984	Female	Engineering
17	26-999-0495	Imelda	ialimanx@amazon.co.uk	7086412473	Apt 730	17-01-1987	Female	Sales
18	16-043-0501	Donica	dsedgefield10@ning.com	7945174769	Suite 21	15-07-1991	Female	Product Management
19	70-312-4647	Nicolea	ngolsby12@state.gov	8968434333	Suite 57	21-03-1983	Female	Human Resources

Query | Query History

```
SELECT * FROM "Salary" WHERE "Net_Salary">3000
```

Data Output | Messages | Notifications

	EmployeeID character varying	Basic_Pay character varying	Allowance character varying	Net_Salary integer
1	86-101-5710	3044	1170	4214
2	99-418-5078	2841	429	3270
3	95-679-2986	2170	1062	3232
4	57-066-7082	3203	1032	4235
5	96-470-9249	2719	651	3370
6	04-809-3102	1965	1289	3254
7	23-072-7571	2463	1446	3909
8	92-932-5211	2939	374	3313
9	43-309-7076	2814	1277	4091
10	76-806-0179	2050	1428	3478
11	07-711-3020	2880	505	3385
12	56-491-4413	2925	507	3432
13	98-113-7286	3241	1272	4513
14	33-146-4029	2461	1468	3929
15	65-969-2580	2762	896	3658
16	31-250-5935	3111	1356	4467
17	13-006-0340	3202	1210	4412
18	31-843-1195	1811	1406	3217
19	52-087-2121	2970	586	3556

5)INSERT QUERY TO ADD DATA TO ALL THE TABLES

EMPLOYEE

Query | Query History

```
1  INSERT INTO public."Employee"
2  VALUES('154-58-21','john','john77@gmail.com','5584679522','house21','01-01-1995','Male','Sales',
3         'Manager','Project4',4500);
```

Data Output | Messages | Notifications

```
INSERT 0 1

Query returned successfully in 50 msec.
```

DEPARTMENT

Query | Query History

```
1  INSERT INTO public."Department"
2  VALUES('Sales','Regarding the sales','154-58-21')
```

Data Output | Messages | Notifications

```
INSERT 0 1

Query returned successfully in 97 msec.
```

MANAGER

Query | Query History

```
1  INSERT INTO "Manager"(id,"Department")
2  VALUES('154-58-21','Sales')
```

Data Output | Messages | Notifications

```
INSERT 0 1

Query returned successfully in 56 msec.
```

PROJECT

Query | Query History

```
INSERT INTO "Project"("projectID","Name","Description","StartDate","EndDate","Budget")
VALUES('26','Project66','App Development','08-09-2023','06-05-2024','$10000');
```

Data Output | Messages | Notifications

```
INSERT 0 1

Query returned successfully in 66 msec.
```

SALARY

Query | Query History

```
INSERT INTO public."Salary"
VALUES('154-58-21',3500,1000,4500);
```

Data Output | Messages | Notifications

```
INSERT 0 1

Query returned successfully in 79 msec.
```

6)DELETE QUERY TO DELETE ANY EXISTING DATA FROM ALL TABLES

EMPLOYEE

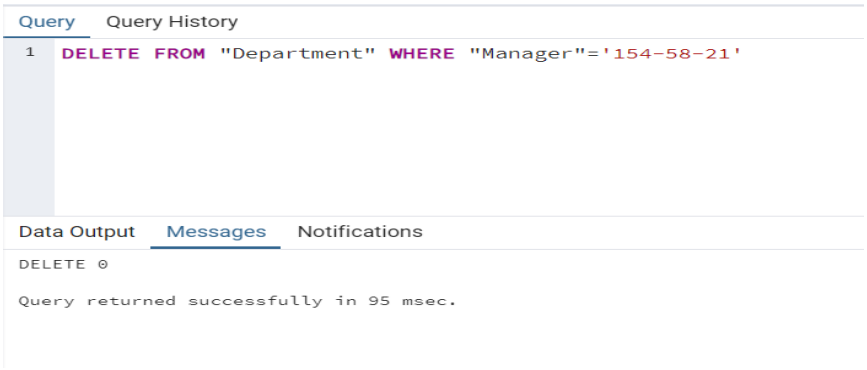
Query | Query History

```
DELETE FROM "Employee" WHERE "EmployeeID"='154-58-21'
```

Data Output | Messages | Notifications

```
DELETE 1

Query returned successfully in 2 secs 299 msec.
```

DEPARTMENT



PROJECT

7)UPDATE QUERY TO UPDATE AN EXISTING DATA FOR ALL TABLES

SALARY

EMPLOYEE

Query | Query History

```
1 UPDATE "Employee"
2 SET "Phone"='8659754832' WHERE "EmployeeID"='54-635-0666'
```

Data Output | Messages | Notifications

```
UPDATE 1

Query returned successfully in 423 msec.
```