postgres=# \c railway

You are now connected to database "railway" as user "postgres".

**railway=#create database**

railway=# select \* from users;

uid | name | age | gender | phno | email

-----+------+-----+--------+------+-------

(0 rows)

**railway=# insert** into users values('1','Anne Long','20','Female','7555465737','abc@gmail.com');

ERROR: value "7555465737" is out of range for type integer

LINE 1: ...t into users values('1','Anne Long','20','Female','755546573...

^

railway=# insert into users values('1','Anne Long','20','Female','75554657','abc@gmail.com');

INSERT 0 1

railway=# insert into users values('2','Catherine Brown','18','Female','75552629','cde@gmail.com');

INSERT 0 1

railway=# insert into users values('3','Bobby Robinson','30','Male','85551757','ghi@hotmail.com');

INSERT 0 1

railway=# insert into users values('4','Paul Jackson','38','Male','85559385','efg@hotmail.com');

INSERT 0 1

railway=# insert into users values('5','Martha Jones','55','Female','96555867','klm@yahoo.com');

INSERT 0 1

railway=# insert into users values('6','Christopher Martin','80','Male','94555892','nop@yahoo.com');

INSERT 0 1

railway=# insert into users values('7','Rebecca Rodriguez','22','Female','85554772','lmn@gmail.com');

INSERT 0 1

railway=# insert into users values('8','Joseph Foster','49','Male','85555646','xyz@gmail.com');

INSERT 0 1

railway=# insert into users values('9','Jacqueline King','22','Female','94555901','pqr@yahoo.com');

INSERT 0 1

railway=# insert into users values('10','Jerry Anderson','52','Male','75559702','wxy@yahoo.com');

INSERT 0 1

railway=# select \* from users;

uid | name | age | gender | phno | email

-----+--------------------+-----+--------+----------+-----------------

1 | Anne Long | 20 | Female | 75554657 | abc@gmail.com

2 | Catherine Brown | 18 | Female | 75552629 | cde@gmail.com

3 | Bobby Robinson | 30 | Male | 85551757 | ghi@hotmail.com

4 | Paul Jackson | 38 | Male | 85559385 | efg@hotmail.com

5 | Martha Jones | 55 | Female | 96555867 | klm@yahoo.com

6 | Christopher Martin | 80 | Male | 94555892 | nop@yahoo.com

7 | Rebecca Rodriguez | 22 | Female | 85554772 | lmn@gmail.com

8 | Joseph Foster | 49 | Male | 85555646 | xyz@gmail.com

9 | Jacqueline King | 22 | Female | 94555901 | pqr@yahoo.com

10 | Jerry Anderson | 52 | Male | 75559702 | wxy@yahoo.com

(10 rows)

**railway=# create table details**(did integer primary key,PNR integer primary key,Location varchar(80));

ERROR: multiple primary keys for table "details" are not allowed

LINE 1: ...table details(did integer primary key,PNR integer primary ke...

^

railway=# create table details(did integer primary key,PNR integer,Location varchar(80));

CREATE TABLE

railway=# select \* from details;

did | pnr | location

-----+-----+----------

(0 rows)

railway=# drop table details;

DROP TABLE

railway=# create table details(did integer primary key,PNR integer,Location text);

CREATE TABLE

railway=# select \* from details;

did | pnr | location

-----+-----+----------

(0 rows)

**railway=# insert into details values**('1','1755576','15°N 30°W');

INSERT 0 1

railway=# insert into details values('2','1375553','25°N 50°E');

INSERT 0 1

railway=# insert into details values('3','6555190','15°N 12°E');

INSERT 0 1

railway=# insert into details values('4','5542070','45°W 19°S');

INSERT 0 1

railway=# insert into details values('5','5551996','10°S 77°W');

INSERT 0 1

railway=# insert into details values('6','2137555','18°S 70°E');

INSERT 0 1

railway=# insert into details values('7','3655596','33°E 40°N');

INSERT 0 1

railway=#

railway=# select \* from admin;

aid | phno | emergency

-----+------+-----------

(0 rows)

railway=# insert into admin values('1','75554657','Accident');

INSERT 0 1

railway=# insert into admin values('2','75552629','Accident');

INSERT 0 1

railway=# insert into admin values('3','85551757','Theft');

INSERT 0 1

railway=# insert into admin values('4','85559385','Theft');

INSERT 0 1

railway=# insert into admin values('5','85559385','Women Safety');

INSERT 0 1

railway=# insert into admin values('6','96555867','Accidents');

INSERT 0 1

railway=# insert into admin values('7','85554772','Women Safety');

INSERT 0 1

railway=# insert into admin values('8','85555646','Accident');

INSERT 0 1

railway=# insert into admin values('9','94555901','Women Safety');

INSERT 0 1

railway=# insert into admin values('10','75559702','Accident');

INSERT 0 1

railway=# select \* from admin;

aid | phno | emergency

-----+----------+--------------

1 | 75554657 | Accident

2 | 75552629 | Accident

3 | 85551757 | Theft

4 | 85559385 | Theft

5 | 85559385 | Women Safety

6 | 96555867 | Accidents

7 | 85554772 | Women Safety

8 | 85555646 | Accident

9 | 94555901 | Women Safety

10 | 75559702 | Accident

(10 rows)

railway=# **update admin** set phno='96555867' where aid='5';

UPDATE 1

railway=# update admin set phno='94555892' where aid='6';

UPDATE 1

railway=# select \* from admin;

aid | phno | emergency

-----+----------+--------------

1 | 75554657 | Accident

2 | 75552629 | Accident

3 | 85551757 | Theft

4 | 85559385 | Theft

7 | 85554772 | Women Safety

8 | 85555646 | Accident

9 | 94555901 | Women Safety

10 | 75559702 | Accident

5 | 96555867 | Women Safety

6 | 94555892 | Accidents

(10 rows)

railway=# **create table rpf(**rid integer primary key,name varchar(60),age integer,phno integer);

CREATE TABLE

railway=# select \* from rpf;

rid | name | age | phno

-----+------+-----+------

(0 rows)

^

railway=# insert into rpf values('1','Anne Long','20','75554657');

INSERT 0 1

railway=# insert into rpf values('2','Catherine Brown','18','75552629');

INSERT 0 1

railway=# insert into rpf values('3','Bobby Robinson','30','85551757');

INSERT 0 1

railway=# insert into rpf values('4','Paul Jackson','38','85559385');

INSERT 0 1

railway=# insert into rpf values('5','Martha Jones','55','96555867');

INSERT 0 1

railway=# insert into rpf values('6','Christopher Martin','80','94555892');

INSERT 0 1

railway=# insert into rpf values('7','Rebecca Rodriguez','22','85554772');

INSERT 0 1

railway=# insert into rpf values('8','Joseph Foster','49','85555646');

INSERT 0 1

railway=# insert into rpf values('9','Jacqueline King','22','94555901');

INSERT 0 1

railway=# insert into rpf values('10','Jerry Anderson','52','75559702');

INSERT 0 1

railway=# select \* from rpf;

rid | name | age | phno

-----+--------------------+-----+----------

1 | Anne Long | 20 | 75554657

2 | Catherine Brown | 18 | 75552629

3 | Bobby Robinson | 30 | 85551757

4 | Paul Jackson | 38 | 85559385

5 | Martha Jones | 55 | 96555867

6 | Christopher Martin | 80 | 94555892

7 | Rebecca Rodriguez | 22 | 85554772

8 | Joseph Foster | 49 | 85555646

9 | Jacqueline King | 22 | 94555901

10 | Jerry Anderson | 52 | 75559702

(10 rows)

railway=# **select name** from users where age BETWEEN 20 AND 50;

name

-------------------

Anne Long

Bobby Robinson

Paul Jackson

Rebecca Rodriguez

Joseph Foster

Jacqueline King

(6 rows)

railway=# **select \*** from admin where emergency='Theft';

aid | phno | emergency

-----+----------+-----------

3 | 85551757 | Theft

4 | 85559385 | Theft

(2 rows)

railway=# select \* from admin where **emergency='Accidents';**

aid | phno | emergency

-----+----------+-----------

6 | 94555892 | Accidents

(1 row)

railway=# select **phno from admin** where emergency='Accidents';

phno

----------

94555892

(1 row)

railway=# select \* from admin where **emergency='Accident'**;

aid | phno | emergency

-----+----------+-----------

1 | 75554657 | Accident

2 | 75552629 | Accident

8 | 85555646 | Accident

10 | 75559702 | Accident

(4 rows)

railway=# select \* from admin where emergency='Women safety';

aid | phno | emergency

-----+------+-----------

(0 rows)

railway=# select \* from admin where **emergency='Women Safety';**

aid | phno | emergency

-----+----------+--------------

7 | 85554772 | Women Safety

9 | 94555901 | Women Safety

5 | 96555867 | Women Safety

(3 rows)

railway=# select **location** from details where did='6';

location

-----------

18°S 70°E

(1 row)

railway=# select \* from users **full outer join** details on users.uid=details.did;

uid | name | age | gender | phno | email | did | pnr | location

-----+--------------------+-----+--------+----------+-----------------+-----+---------+-----------

1 | Anne Long | 20 | Female | 75554657 | abc@gmail.com | 1 | 1755576 | 15°N 30°W

2 | Catherine Brown | 18 | Female | 75552629 | cde@gmail.com | 2 | 1375553 | 25°N 50°E

3 | Bobby Robinson | 30 | Male | 85551757 | ghi@hotmail.com | 3 | 6555190 | 15°N 12°E

4 | Paul Jackson | 38 | Male | 85559385 | efg@hotmail.com | 4 | 5542070 | 45°W 19°S

5 | Martha Jones | 55 | Female | 96555867 | klm@yahoo.com | 5 | 5551996 | 10°S 77°W

6 | Christopher Martin | 80 | Male | 94555892 | nop@yahoo.com | 6 | 2137555 | 18°S 70°E

7 | Rebecca Rodriguez | 22 | Female | 85554772 | lmn@gmail.com | 7 | 3655596 | 33°E 40°N

8 | Joseph Foster | 49 | Male | 85555646 | xyz@gmail.com | 8 | 5579554 | 31°S 11°W

9 | Jacqueline King | 22 | Female | 94555901 | pqr@yahoo.com | 9 | 5575757 | 66°N 10°W

10 | Jerry Anderson | 52 | Male | 75559702 | wxy@yahoo.com | 10 | 1234567 | 68°N 13°E

(10 rows)

railway=# select users.uid,users.name,users.age,details.did,details.pnr from users **inner join** details on users.uid=details.did;

uid | name | age | did | pnr

-----+--------------------+-----+-----+---------

1 | Anne Long | 20 | 1 | 1755576

2 | Catherine Brown | 18 | 2 | 1375553

3 | Bobby Robinson | 30 | 3 | 6555190

4 | Paul Jackson | 38 | 4 | 5542070

5 | Martha Jones | 55 | 5 | 5551996

6 | Christopher Martin | 80 | 6 | 2137555

7 | Rebecca Rodriguez | 22 | 7 | 3655596

8 | Joseph Foster | 49 | 8 | 5579554

9 | Jacqueline King | 22 | 9 | 5575757

10 | Jerry Anderson | 52 | 10 | 1234567

(10 rows)

railway=# select users.uid,users.name,users.age,users.gender,details.pnr,details.pnr from users **inner join** details on users.uid=details.did where users.uid='5';

uid | name | age | gender | pnr | pnr

-----+--------------+-----+--------+---------+---------

5 | Martha Jones | 55 | Female | 5551996 | 5551996

(1 row)

railway=# select users.uid,users.name,users.age,users.gender,details.pnr,details.location from **users inner join** details on users.uid=details.did ;

uid | name | age | gender | pnr | location

-----+--------------------+-----+--------+---------+-----------

1 | Anne Long | 20 | Female | 1755576 | 15°N 30°W

2 | Catherine Brown | 18 | Female | 1375553 | 25°N 50°E

3 | Bobby Robinson | 30 | Male | 6555190 | 15°N 12°E

4 | Paul Jackson | 38 | Male | 5542070 | 45°W 19°S

5 | Martha Jones | 55 | Female | 5551996 | 10°S 77°W

6 | Christopher Martin | 80 | Male | 2137555 | 18°S 70°E

7 | Rebecca Rodriguez | 22 | Female | 3655596 | 33°E 40°N

8 | Joseph Foster | 49 | Male | 5579554 | 31°S 11°W

9 | Jacqueline King | 22 | Female | 5575757 | 66°N 10°W

10 | Jerry Anderson | 52 | Male | 1234567 | 68°N 13°E

(10 rows)

railway=# **select count(\*)** from users where age>18;

count

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9

(1 row)

railway=# select count(\*) from users **where age<30;**

count

-------

4

(1 row)

railway=# select count(\*) from admin where **emergency='Accident';**

count

-------

4

(1 row)

railway=# select count(name) from users where **gender='Female';**

count

-------

5

(1 row)

^

railway=# select did,location from details where **location like '%N';**

did | location

-----+-----------

7 | 33°E 40°N

(1 row)

railway=# select did,location from details where location **like 'E%';**

did | location

-----+----------

(0 rows)

railway=# select did,**location** from details where location like '%S';

did | location

-----+-----------

4 | 45°W 19°S

(1 row)

railway=# select \* from users where **age=22 and gender='Female';**

uid | name | age | gender | phno | email

-----+-------------------+-----+--------+----------+---------------

7 | Rebecca Rodriguez | 22 | Female | 85554772 | lmn@gmail.com

9 | Jacqueline King | 22 | Female | 94555901 | pqr@yahoo.com