

Hacker rank - Search Select All | HackerRank copilot - Search

https://www.hackerrank.com/challenges/select-all-sql/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Select All

Problem Submissions Leaderboard

Query all columns (attributes) for every row in the CITY table.

The CITY table is described as follows:

### CITY

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

6. type your code immediately after comment. Don't leave any blank line.

7. \*/**Select ID,NAME,COUNTRYCODE,DISTRICT,POPULATION from CITY;**

Line: 7 Col: 3

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)

Type here to search 12:07 08-02-2026

Hacker rank - Search Select By ID | HackerRank copilot - Search

https://www.hackerrank.com/challenges/select-by-id/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Select By ID

Problem Submissions Leaderboard

Query all columns for a city in CITY with the ID 1661.

The CITY table is described as follows:

### CITY

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

7. \*/**Select ID,NAME,COUNTRYCODE,DISTRICT,POPULATION FROM CITY where ID=1661;**

Line: 7 Col: 3

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)

1661 Savama JPN Saitama 162472 12:12 08-02-2026

Hacker rank - Search Japanese Cities' Attributes | HackerRank copilot - Search

https://www.hackerrank.com/challenges/japanese-cities-attributes/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Japanese Cities' Attributes

Query all attributes of every Japanese city in the CITY table. The COUNTRYCODE for Japan is JPN.

The CITY table is described as follows:

**CITY**

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

blank line.  
7 \*/Select \* from CITY where COUNTRYCODE='JPN';

Upload Code as File Test against custom input Run Code Submit Code

Line: 7 Col: 3

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)  
1 1613 Neyagawa JPN Osaka 257315

Type here to search

12:16 ENG 08-02-2026

Hacker rank - Search Japanese Cities' Names | HackerRank copilot - Search

https://www.hackerrank.com/challenges/japanese-cities-name/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Japanese Cities' Names

Exit Full Screen View

Query the names of all the Japanese cities in the CITY table. The COUNTRYCODE for Japan is JPN.

The CITY table is described as follows:

**CITY**

Field	Type
ID	NUMBER
NAME	VARCHAR2(17)
COUNTRYCODE	VARCHAR2(3)
DISTRICT	VARCHAR2(20)
POPULATION	NUMBER

blank line.  
7 \*/Select NAME from CITY where COUNTRYCODE='JPN';

Upload Code as File Test against custom input Run Code Submit Code

Line: 7 Col: 3

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)  
1 Neyagawa

Type here to search

12:18 ENG 08-02-2026

Hacker rank - Search Weather Observation Station 1 | H copilot - Search

https://www.hackerrank.com/challenges/weather-observation-station-1/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station

Problem Submissions Leaderboard

Query a list of CITY and STATE from the STATION table.

The STATION table is described as follows:

### STATION

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western

7 \*`Select CITY,STATE from STATION;`

Line: 7 Col: 3

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)  
1 Kissee Mills MO

Type here to search

12:19 08-02-2026

Hacker rank - Search Weather Observation Station 3 | H

https://www.hackerrank.com/challenges/weather-observation-station-3/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station

Problem Submissions Leaderboard

Query a list of CITY names from STATION for cities that have an even ID number. Print the results in any order, but exclude duplicates from the answer.

The STATION table is described as follows:

### STATION

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

7 \*`Select distinct CITY from STATION where MOD(ID,2)=0;`

Line: 7 Col: 3

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)  
1 Aguanga

Type here to search

12:28 08-02-2026

Hacker rank - Search Weather Observation Station 3 | H +

https://www.hackerrank.com/challenges/weather-observation-station-3/problem?isFullScreen=true

HackerRank | Prepare SQL Basic Select Weather Observation Station 3

Query a list of CITY names from STATION for cities that have an even ID number. Print the results in any order, but exclude duplicates from the answer.

The STATION table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

blank line.

7 \* /Select distinct CITY from STATION where MOD(ID,2)=0;

**Congrats!**

You have earned your 1st star.

Line: 7 Col: 3

Run Code Submit Code

f

You have earned 10.00 points! You are now 90 points away from the 2nd star for your sql badge. 5% 85/175

Type here to search 12:29 08-02-2026

Hacker rank - Search Weather Observation Station 4 | H +

https://www.hackerrank.com/challenges/weather-observation-station-4/problem?isFullScreen=true

HackerRank | Prepare SQL Basic Select Weather Observation Station 4

Find the difference between the total number of CITY entries in the table and the number of distinct CITY entries in the table.

The STATION table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

blank line.

7 \* /Select count(CITY)-Count(Distinct CITY) from Station;

UploadCodeasFile Test against custom input Run Code Submit Code

**Congratulations!**

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)

1 13

Type here to search 12:43 08-02-2026

Hacker rank - Search Weather Observation Station 5 | H + https://www.hackerrank.com/challenges/weather-observation-station-5/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station

Problem Submissions Leaderboard

Query the two cities in **STATION** with the shortest and longest CITY names, as well as their respective lengths (i.e.: number of characters in the name). If there is more than one smallest or largest city, choose the one that comes first when ordered alphabetically.

The **STATION** table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER

Change Theme Language MS SQL Server

```
1 SET NOCOUNT ON;
2 /*
3 Enter your query here.
4 Please append a semicolon ";" at the end of the query and enter
5 your query in a single line to avoid error.
6 */Select top 1 CITY,LEN(CITY) from STATION ORDER BY LEN(CITY) ASC
CITY ASC;
7 Select top 1 CITY,LEN(CITY) from STATION ORDER BY LEN(CITY) DESC,
CITY ASC;
8
9 go
```

Line: 6 Col: 3

Upload Code as File Test against custom input Run Code Submit Code

Type here to search 13:12 08-02-2026

Hacker rank - Search Weather Observation Station 5 | H + https://www.hackerrank.com/challenges/weather-observation-station-5/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station

Problem Submissions Leaderboard

Query the two cities in **STATION** with the shortest and longest CITY names, as well as their respective lengths (i.e.: number of characters in the name). If there is more than one smallest or largest city, choose the one that comes first when ordered alphabetically.

The **STATION** table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER

Enter your query here.
Please append a semicolon ";" at the end of the query and enter
your query in a single line to avoid error.
\*/Select top 1 CITY,LEN(CITY) from STATION ORDER BY LEN(CITY) ASC
CITY ASC;
Select top 1 CITY,LEN(CITY) from STATION ORDER BY LEN(CITY) DESC,
CITY ASC;
go

Line: 6 Col: 3

Upload Code as File Test against custom input Run Code Submit Code

Congratulations!
You have passed the sample test cases. Click the submit button to run your code against all the test

Type here to search 13:12 08-02-2026

Hacker rank - Search    Weather Observation Station 6 | H X +

https://www.hackerrank.com/challenges/weather-observation-station-6/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station 6

Problem Submissions Leaderboard

Query the list of CITY names starting with vowels (i.e., a, e, i, o, or u) from STATION. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

```
5  */
6 Select distinct CITY from STATION where CITY like 'a%' or CITY like 'e%' or CITY like 'i%' or CITY LIKE 'o%' or CITY like 'u%';
7 go
```

Line: 6 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

13:22 08-02-2026

Hacker rank - Search    Weather Observation Station 7 | H X +

https://www.hackerrank.com/challenges/weather-observation-station-7/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station 7

Problem Submissions Leaderboard

Single time to avoid error.

Query the list of CITY names ending with vowels (a, e, i, o, u) from STATION. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

STATION	
Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

```
6 /*
7 Select distinct CITY from STATION where CITY LIKE '%a' or CITY LIKE '%e' or CITY LIKE '%i' or CITY LIKE '%o' or CITY LIKE '%u';
8 go
```

Line: 7 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

13:26 08-02-2026

Hacker rank - Search    Weather Observation Station 8 | H X

https://www.hackerrank.com/challenges/weather-observation-station-8/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station 8

Problem Submissions Leaderboard

Query the list of CITY names from STATION which have vowels (i.e., a, e, i, o, and u) as both their first and last characters. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

```
6 */
7 Select distinct CITY from STATION where CITY LIKE '[aeiou]%' and CITY LIKE '%[aeiou]';
8 go
```

Line: 7 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)

Type here to search

Windows Taskbar: Type here to search, File, Internet Explorer, Google Chrome, File Explorer, Word, 13:42 08-02-2026, 4 notifications

Hacker rank - Search    Weather Observation Station 9 | H X

https://www.hackerrank.com/challenges/weather-observation-station-9/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station 9

Problem Submissions Leaderboard

Query the list of CITY names from STATION that do not start with vowels. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

```
4 Enter your query here.
5 Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.
6 /*
7 Select distinct CITY from STATION where CITY NOT LIKE '[aeiou]%' ;
8 go
```

Line: 7 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0 Your Output (stdout)

Type here to search

Windows Taskbar: Type here to search, File, Internet Explorer, Google Chrome, File Explorer, Word, 13:47 08-02-2026, 4 notifications

Hacker rank - Search    Weather Observation Station 10 | +

https://www.hackerrank.com/challenges/weather-observation-station-10/problem?isFullScreen=true

HackerRank | Prepare > SQL > Basic Select Weather Observation Station 10

Exit Full Screen View

Problem

Query the list of CITY names from **STATION** that do not end with vowels. Your result cannot contain duplicates.

**Input Format**

The **STATION** table is described as follows:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

5 Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.  
6 \*/  
7 Select distinct CITY from STATION where CITY NOT LIKE '%[aeiou]';  
8 go

Line: 7 Col: 1

Upload Code as File Test against custom input

Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

13:49 08-02-2026

Hacker rank - Search    Weather Observation Station 10 | +

https://www.hackerrank.com/challenges/weather-observation-station-10/problem?isFullScreen=true

HackerRank | Prepare > SQL Basic Select Weather Observation Station 10

Exit Full Screen View

Problem

Query the list of CITY names from **STATION** that do not end with vowels. Your result cannot contain duplicates.

**Input Format**

The **STATION** table is described as follows:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and LONG\_W is the western longitude.

Sql \*\*

Congrats!

You have earned your 2nd star.

Continue

Friends?

Test case 0 Success

Input (stdin)

4% 180/300

NextChallenge

Download

Type here to search

13:49 08-02-2026

Hacker rank - Search | HackerRank | PGExercises - Search | PostgreSQL exercises

<https://pgexercises.com/questions/basic/selectall.html>

	Massage Room 2	80	4000	3000	
6	Squash Court	3.5	17.5	5000	80
7	Snooker Table	0	5	450	15
8	Pool Table	0	5	400	15

Your Answer ✓

Hint Help Save Run Query

```
Select * from cd.facilities;
```

facid	name	membercost	guestcost	initialoutlay	monthlymaintenance
0	Tennis Court 1	5	25	10000	200
1	Tennis Court 2	5	25	8000	200
2	Badminton Court	0	15.5	4000	50
3	Table Tennis	0	5	320	10
4	Massage Room 1	35	80	4000	3000
5	Massage Room 2	35	80	4000	3000

Answers and Discussion Hide

Type here to search

File Object Tools Edit View Window Help

Object Explorer

- Foreign Data wrappe
- Languages
- Publications
- Schemas (2)
  - cd
- Domains
- FTS Configurat
- FTS Dictionarie
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Vi
- Operators
- Procedures
- Sequences
- Tables (3)
- Trigger Function
- Types
- Views
- public
- Subscriptions
- Login/Group Roles

Dependencies | Dependents | Processes | clubdata.sql | clubdata.sql\* | postgres/postgres@PostgreSQL 18\*

--Q1:- How can you retrieve all the information from the cd.facilities table?

```
Select * from cd.facilities;
```

Data Output Messages Notifications

facid	name	membercost	guestcost	initialoutlay	monthlymaintenance
0	Tennis Court 1	5	25	10000	200
1	Tennis Court 2	5	25	8000	200
2	Badminton Court	0	15.5	4000	50
3	Table Tennis	0	5	320	10
4	Massage Room 1	35	80	4000	3000
5	Massage Room 2	35	80	4000	3000

Total rows: 9 Query complete 00:00:00.105 CRLF Ln 1, Col 8

Hacker rank - Search Weather Observation Station PGExercises - Search PostgreSQL exercises syntax difference between n

https://www.hackerrank.com/challenges/weather-observation-station-11/problem?isFullScreen=true

**HackerRank** | Prepare > SQL > Basic Select Weather Observation Station

Exit Full Screen View

**Problem**

Query the list of CITY names from STATION that either do not start with vowels or do not end with vowels. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and

Please append a semicolon ";" at the end of the query and enter your query in a single line to avoid error.

```
/*
7
Select distinct CITY from STATION where City not like '[aeiou]%' or CITY not like '%[aeiou]';
8
9 go
```

Line: 7 Col: 1

Upload Code as File Test against custom input

Run Code Submit Code

**Congratulations!**  
You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Type here to search

18:45 08-02-2026

Hacker rank - Search HackerRank PGExercises - Search PostgreSQL exercises

https://pgexercises.com/questions/basic/selectspecific.html

name	membercost
Massage Room 1	35
Massage Room 2	35
Squash Court	3.5
Snooker Table	0
Pool Table	0

Your Answer ✓

Select name,membercost from cd.facilities;

name	membercost
Table Tennis	0
Massage Room 1	35
Massage Room 2	35
Squash Court	3.5
Snooker Table	0
Pool Table	0

Hint Help Save Run Query

Type here to search

17:53 08-02-2026

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer    Dependencies    Dependents    Processes    clubdata.sql    clubdata.sql\*    postgres/postgres@PostgreSQL 18\*

Query    Scratch Pad

```

1 --Q1:- How can you retrieve all the information from the cd.facilities table?
2 Select * from cd.facilities;
3
4 --Q2:- You want to print out a list of all of the facilities and their cost to members.
5 Select name,membercost from cd.facilities;

```

Data Output    Messages    Notifications

name	membercost
Tennis Court 1	5
Tennis Court 2	5
Badminton Court	0
Table Tennis	0
Massage Room 1	35
Massage Room 2	35

Total rows: 9    Query complete 00:00:00.138

CRLF    Ln 5, Col 1

Type here to search

Hacker rank - Search    HackerRank    PGExercises - Search    PostgreSQL exercises

https://pgexercises.com/questions/basic/where.html

Your Answer ✓

Select \* from cd.facilities where membercost>0;

Facid	name	membercost	guestcost	initialoutlay	monthlymaintenance
0	Tennis Court 1	5	25	10000	200
1	Tennis Court 2	5	25	8000	200
4	Massage Room 1	35	80	4000	3000
5	Massage Room 2	35	80	4000	3000
6	Squash Court	3.5	17.5	5000	80

Answers and Discussion    Hide

Type here to search

pgAdmin 4

File Object Tools Edit View Window Help

Dashboard X Properties X SQL X Statistics X clubdata.sql X clubdata.sql\* X postgres/postgres@PostgreSQL 18\* X

Object Explorer

- > Foreign data wrapper
- > Languages
- > Publications
- > Schemas (2)
  - > cd
    - > Aggregates
    - > Collations
    - > Domains
    - > FTS Configuration
    - > FTS Dictionaries
    - > FTS Parsers
    - > FTS Templates
    - > Foreign Tables
    - > Functions
    - > Materialized Views
    - > Operators
    - > Procedures
    - > Sequences
  - > Tables (3)
  - > Trigger Functions
  - > Types
  - > Views
  - > public
  - > Subscriptions
- > Login/Group Roles

Query Query History Execute script Scratch Pad

```

1 --Q1:- How can you retrieve all the facilities from the cd.facilities table?
2 Select * from cd.facilities;
3
4 --Q2:- You want to print out a list of all of the facilities and their cost to members.
5 Select name,membercost from cd.facilities;
6
7 --Q3:- How can you produce a list of facilities that charge a fee to members?
8 Select * from cd.facilities where membercost>0;
  
```

Data Output Messages Notifications

facid [PK] integer	name character varying (100)	membercost numeric	guestcost numeric	initialoutlay numeric	monthlymaintenance numeric
1	Tennis Court 1	5	25	10000	200
2	Tennis Court 2	5	25	8000	200
4	Massage Room 1	35	80	4000	3000
5	Massage Room 2	35	80	4000	3000
6	Squash Court	3.5	17.5	5000	80

Showing rows: 1 to 5 Page No: 1 of 1

Successfully run. Total query runtime: 112 msec. 5 rows affected.

Total rows: 5 Query complete 00:00:00.112 CRLF Ln 8, Col 1

18:11 08-02-2026

HackerRank Search Weather Observation Station Search PGExercises - Search PostgreSQL exercises syntax difference between Line: 9 Col: 3

Weather Observation Station 11

Problem

Query the list of CITY names from STATION that either do not start with vowels or do not end with vowels. Your result cannot contain duplicates.

Input Format

The STATION table is described as follows:

STATION	Field	Type
STATION	ID	NUMBER
STATION	CITY	VARCHAR(21)
STATION	STATE	VARCHAR(2)
STATION	LAT_N	NUMBER
STATION	LONG_W	NUMBER

where LAT\_N is the northern latitude and

avoid error.

```

6 */
7 Select distinct CITY from STATION where City not like '[aeiou]%' or CITY not like '%[aeiou]';
8 go
  
```

Upload Code as File Test against custom input Run Code Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Line: 9 Col: 3

18:50 08-02-2026

**Problem**

Query the list of CITY names from STATION that either do not start with vowels or do not end with vowels. Your result cannot contain duplicates.

**Input Format**

The STATION table is described as follows:

Field	Type
ID	NUMBER
CITY	VARCHAR2(21)
STATE	VARCHAR2(2)
LAT_N	NUMBER
LONG_W	NUMBER

where LAT\_N is the northern latitude and

**Congratulations!**

Postgresql:- SELECT DISTINCT CITY

FROM STATION

WHERE CITY ~\* '^[^aeiou][^aeiou]\$';

- **^ (Caret Anchor):** This symbol matches the **start of a string** or line. When used *outside* of a character set, it fixes the pattern to the beginning of the text.
- **\$ (Dollar Anchor):** This symbol matches the **end of a string** or line. It ensures the pattern is fixed to the end of the text.
- **[ ] (Character Set Brackets):** These brackets define a set of characters that can match at a specific position. For example, [aeiou] matches any single vowel.
- **[^...] (Negated Character Set):** When the caret ^ is the first character *inside* the brackets, it negates the set. [^aeiou] matches any single character that is *not* a vowel.
- **| (Alternation/OR Operator):** This operator acts as a logical OR. The pattern matches if the expression on the left of the | is true OR the expression on the right is true.

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- > Foreign Data wrapper
- > Languages
- > Publications
- > Schemas (2)
  - > cd
    - > Aggregates
    - > Collations
    - > Domains
    - > FTS Configuration
    - > FTS Dictionarie
    - > FTS Parsers
    - > FTS Templates
    - > Foreign Tables
    - > Functions
    - > Materialized Views
    - > Operators
    - > Procedures
    - > Sequences
  - > Tables (3)
  - > Trigger Functions
  - > Types
  - > Views
  - > public
  - > Subscriptions
- > Login/Group Roles

Type here to search

Dashboard X Properties X SQL X Statistics X clubdata.sql X clubdata.sql\* X postgres/postgres@PostgreSQL 18\* X

Query Query History Execute script F5

```

2 Select * from cd.facilities;
3
4 --Q2:- You want to print out a list of all of the facilities and their cost to members?
5 Select name,membercost from cd.facilities;
6
7 --Q3:- How can you produce a list of facilities that charge a fee to members?
8 Select * from cd.facilities where membercost>0;
9
10 --Q4:- How can you produce a list of facilities that charge a fee to members,
11 Select facid,name,membercost,monthlymaintenance from cd.facilities where membercost>0;

```

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

facid	name	membercost	monthlymaintenance
4	Massage Room 1	35	3000
5	Massage Room 2	35	3000

Total rows: 2 Query complete 00:00:00.186 CRLF Ln 11, Col 1

Successfully run. Total query runtime: 186 msec. 2 rows affected. X

08-02-2026 20:47 ENG

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- > Foreign Data wrapper
- > Languages
- > Publications
- > Schemas (2)
  - > cd
    - > Aggregates
    - > Collations
    - > Domains
    - > FTS Configuration
    - > FTS Dictionarie
    - > FTS Parsers
    - > FTS Templates
    - > Foreign Tables
    - > Functions
    - > Materialized Views
    - > Operators
    - > Procedures
    - > Sequences
  - > Tables (3)
  - > Trigger Functions
  - > Types
  - > Views
  - > public
  - > Subscriptions
- > Login/Group Roles

Type here to search

Dashboard X Properties X SQL X Statistics X clubdata.sql X clubdata.sql\* X postgres/postgres@PostgreSQL 18\* X

Query Query History Execute script F5

```

8 Select * from cd.facilities where name like '%Tennis%';
9
10 --Q4:- How can you produce a list of facilities that charge a fee to members,
11 Select facid,name,membercost,monthlymaintenance from cd.facilities where membercost>0;
12
13 --Q5:- How can you produce a list of all facilities with the word 'Tennis' in their name?
14 Select * from cd.facilities where name like '%Tennis%';
15
16 --Q6:- How can you retrieve the details of facilities with ID 1 and 5? Try to
17 Select * from cd.facilities where facid in (1,5);

```

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

facid	name	membercost	guestcost	initialoutlay	monthlymaintenance
1	Tennis Court 2	5	25	8000	200
5	Massage Room 2	35	80	4000	3000

Total rows: 2 Query complete 00:00:00.151 CRLF Ln 17, Col 1

Successfully run. Total query runtime: 151 msec. 2 rows affected. X

08-02-2026 21:04 ENG

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer    Dashboard    Properties    SQL    Statistics    clubdata.sql    clubdata.sql\*    postgres/postgres@PostgreSQL 18\*

Query History    Execute script (F5)    Scratch Pad

```

15 --Q6:- How can you retrieve the details of facilities with ID 1 and 5? Try to
16 Select * from cd.facilities where facid in (1,5);
17
18 --Q7:- How can you produce a list of facilities, with each labelled as 'cheap'
19 Select name,
20 case when (monthlymaintenance>100) then 'expensive'
21 else 'cheap'
22 end as cost
23 from cd.facilities;

```

Data Output    Messages    Notifications

	name	cost
1	Tennis Court 1	expensi...
2	Tennis Court 2	expensi...
3	Badminton Court	cheap
4	Table Tennis	cheap
5	Massage Room 1	expensi...
6	Massage Room 2	expensi...
Total rows: 9	Query complete 00:00:00.119	CRLF Ln 20, Col 1

Successfully run. Total query runtime: 119 msec. 9 rows affected.

Type here to search    21:19    08-02-2026

Hacker rank - Search    Weather Observation Station 11 |    PGExercises - Search    PostgreSQL exercises

<https://pgexercises.com/questions/basic/classify.html>

PostgreSQL Exercises    Home    Getting Started    Exercises    About    Options

Previous Exercise    Home / Basic / Classify    Next Exercise

## Classify results into buckets



Question

How can you produce a list of facilities, with each labelled as 'cheap' or 'expensive' depending on if their monthly maintenance cost is more than \$100? Return the name and monthly maintenance of the facilities in question.

Schema reminder

cd.members		cd.bookings		cd.facilities	
memid	integer	facid	integer	facid	integer
surname	character varying(200)	memid	integer	name	character varying(100)
firstname	character varying(200)	starttime	timestamp	membercost	numeric
address	character varying(300)	slots	integer	guestcost	numeric
zipcode	integer			initialoutlay	numeric
telephone	character varying(20)			monthlymaintenance	numeric
recommendedby	integer				
joindate	timestamp				

Type here to search    21:20    08-02-2026

Hacker rank - Search | Weather Observation Station 11 | PGExercises - Search | PostgreSQL exercises

<https://pgexercises.com/questions/basic/date.html>

Previous Exercise | Home / Basic / Date | Next Exercise

## Working with dates

Question

How can you produce a list of members who joined after the start of September 2012? Return the memid, surname, firstname, and joindate of the members in question.

Schema reminder

```

cd.members
+-----+
| memid | integer |
| surname | character varying(200) |
| firstname | character varying(200) |
| address | character varying(300) |
| zipcode | integer |
| telephone | character varying(20) |
| recommendedby | integer |
| joindate | timestamp |
+-----+
cd.bookings
+-----+
| facid | integer |
| memid | integer |
| starttime | timestamp |
| slots | integer |
+-----+
cd.facilities
+-----+
| facid | integer |
| name | character varying(100) |
| membercost | numeric |
| guestcost | numeric |
| initialoutlay | numeric |
| monthlymaintenance | numeric |
+-----+

```

Expected Results

Type here to search

File Object Tools Edit View Window Help

Dashboard Properties SQL Statistics clubdata.sql postgres/postgres@PostgreSQL 18\*

Query History Execute script F5

```

--Q7:- How can you produce a list of facilities, with each labelled as 'cheap'
Select name,
case when (monthlymaintenance>100) then 'expensive'
else 'cheap'
end as cost
from cd.facilities;

--Q8:- How can you produce a list of members who joined after the start of Sep
Select memid,firstname,joindate from cd.members where joindate >= '2012-09-01'

```

Data Output Messages Notifications

memid	firstname	joindate
1	24	Ramnaresh
2	26	Douglas
3	27	Henrietta
4	28	David
5	29	Henry
6	30	Millicent

Showing rows: 1 to 10 Page No: 1 of 1

Successfully run. Total query runtime: 160 msec. 10 rows affected.

Type here to search

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer    Dashboard    Properties    SQL    Statistics    clubdata.sql    clubdata.sql\*    postgres/postgres@PostgreSQL 18\*

Query    Query History

```

18 --Q7:- How can you produce a list of facilities, with each labelled as 'cheap' or 'expensive' depending on if
19 Select name,
20 case when (monthlymaintenance>100) then 'expensive'
21 else 'cheap'
22 end as cost
23 from cd.facilities;
24
25 --Q8:- How can you produce a list of members who joined after the start of September 2012? Return the memid, :
26 Select memid,firstname,joindate from cd.members where joindate >= '2012-09-01'
27

```

Data Output    Messages    Notifications

	memid	firstname	joindate
1	24	Ramnaresh	2012-09-01 08:44:42
2	26	Douglas	2012-09-02 18:43:05
3	27	Henrietta	2012-09-05 08:42:35
4	28	David	2012-09-15 08:22:05
5	29	Henry	2012-09-17 12:27:15
6	30	Millicent	2012-09-18 19:04:01

Total rows: 10    Query complete 0:00:00.127    CRLF    Ln 27, Col 1

Successfully run. Total query runtime: 127 msec. 10 rows affected.

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https://pgexercises.com/questions/basic/unique.html

## Removing duplicates, and ordering results

Question

How can you produce an ordered list of the first 10 surnames in the members table? The list must not contain duplicates.

Schema reminder



Expected Results

surname
Bader
Baker

Type here to search         

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer    Dashboard    Properties    SQL    Statistics    clubdata.sql    clubdata.sql\*    postgres/postgres@PostgreSQL 18\*

Query    Query History    Execute script F5

```

21 case when (monthlymaintenance>100)
22 else 'cheap'
23 end as cost
24 from cd.facilities;
25
26 --Q8:- How can you produce a list of members who joined after the start of September 2012? Return the memid, s
27 Select memid,firstname,joindate from cd.members where joindate >= '2012-09-01'
28
29 --Q9:- How can you produce an ordered list of the first 10 surnames in the members table? The list must not co
30 Select distinct surname from cd.members order by surname limit 10;

```

Data Output    Messages    Notifications

	surname	character varying (200)
1	Bader	
2	Baker	
3	Boothe	
4	Butters	
5	Coplin	
6	Crumpet	

Total rows: 10    Query complete 00:00:00.123    CRLF    Ln 30, Col 1

Successfully run. Total query runtime: 123 msec. 10 rows affected. X

21:43    08-02-2026

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PostgreSQL Exercises    Home    Getting Started    Exercises ▾    About    Options

Previous Exercise    Home / Basic / Union    Next Exercise

## Combining results from multiple queries

✓

Question

You, for some reason, want a combined list of all surnames and all facility names. Yes, this is a contrived example :-). Produce that list!

Schema reminder ▾

cd.members

memid	integer
surname	character varying(200)
firstname	character varying(200)
address	character varying(300)
zipcode	integer
telephone	character varying(20)
recommendedby	integer
joindate	timestamp

cd.bookings

facid	integer
memid	integer
starttime	timestamp
slots	integer

cd.facilities

facid	integer
name	character varying(100)
membercost	numeric
guestcost	numeric
initialoutlay	numeric
monthlymaintenance	numeric

Type here to search

21:48    08-02-2026

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer    Dashboard    Properties    SQL    Statistics    clubdata.sql    clubdata.sql\*    postgres/postgres@PostgreSQL 18\*

Query    Execute script (F5)

```
24 from cd.facilities;
25
26 --Q8:- How can you produce a list of members who joined after the start of September 2012? Return the memid, t
27 Select memid,firstname,joindate from cd.members where joindate >= '2012-09-01'
28
29 --Q9:- How can you produce an ordered list of the first 10 surnames in the members table? The list must not co
30 Select distinct surname from cd.members order by surname limit 10;
31
32 --Q10:- You, for some reason, want a combined list of all surnames and all facility names. Yes, this is a cont
33 Select surname from cd.members union Select name from cd.facilities;
```

Data Output    Messages    Notifications

Showing rows: 1 to 34    Page No: 1    of 1    Total rows: 34    Query complete 00:00:00.099

	surname
1	Hunt
2	Farrell
3	Tennis Court 2
4	Table Tennis
5	Dare
6	Rownam

Successfully run. Total query runtime: 99 msec. 34 rows affected.

CRLF    Ln 33, Col 1    21:49    08-02-2026

Type here to search

The screenshot shows the pgAdmin 4 interface. On the left is the Object Explorer tree, which includes nodes for Foreign data wrappe, Languages, Publications, Schemas (2), cd (which is expanded to show Aggregates, Collations, Domains, FTS Configuration, FTS Dictionarie, FTS Parsers, FTS Templates, Foreign Tables, Functions, Materialized Vi, Operators, Procedures, Sequences, Tables (3), Trigger Function, Types, Views, public, Subscriptions, and Login/Group Roles). The main area has tabs for Dashboard, Properties, SQL, and Statistics. The SQL tab contains a query editor with several lines of SQL code. Below the query editor is a Data Output pane showing a table with 34 rows of data. At the bottom right of the pgAdmin window, there is a message box indicating the query was successfully run. The system tray at the bottom of the screen shows various icons and the date/time (08-02-2026, 21:49).