Server [localhost]:

Database [postgres]:

Port [5432]:

Username [postgres]:

Password for user postgres:

psql (14.2)

WARNING: Console code page (437) differs from Windows code page (1252)

8-bit characters might not work correctly. See psql reference

page "Notes for Windows users" for details.

Type "help" for help.

postgres=# \l

List of databases

Name | Owner | Encoding | Collate | Ctype | Access privileges

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

assignment1 | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

basektable | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

library | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

postgres | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

student | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 | =Tc/postgres +

| | | | | postgres=CTc/postgres

template0 | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 | =c/postgres +

| | | | | postgres=CTc/postgres

template1 | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 | =c/postgres +

| | | | | postgres=CTc/postgres

(7 rows)

postgres=#

postgres=# \c student

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

student=# \d

List of relations

Schema | Name | Type | Owner

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

public | AGENTS | table | postgres

public | a | table | postgres

public | agent\_bkp | table | postgres

public | agentbkp | table | postgres

public | agents | table | postgres

public | bas\_dekho | view | postgres

public | basdekho | view | postgres

public | chakde | view | postgres

public | dekho\_bhai | materialized view | postgres

public | dekhobhai | view | postgres

public | emp | table | postgres

public | emp\_eid\_seq | sequence | postgres

public | employee\_audits | table | postgres

public | employees | table | postgres

public | employees\_employee\_id\_seq | sequence | postgres

public | f | table | postgres

public | fort | materialized view | postgres

public | forty | materialized view | postgres

public | jobs | table | postgres

public | sample | table | postgres

public | station | table | postgres

public | test | table | postgres

public | thu | table | postgres

public | tst | table | postgres

(24 rows)

student=# table agents;

agent\_code | agent\_name | woking\_area | comission | phone\_no | country

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

A008 | Alford | New York | 12 | 044-25874365 |

A012 | Lucida | San Jose | 12 | 044-52981425 |

A002 | Mukesh | Mumbai | 11 | 029-12358964 |

A009 | Benjamin | Hampshair | 11 | 008-22536178 |

A005 | Anderson | Brisban | 54 | 045-21447739 |

A007 | Ramasundar | Bangalore | 15 | 077-25814763 | ind

A011 | Ravi Kumar | Bangalore | 15 | 077-45625874 | ind

A006 | McDen | London | 15 | 078-22255588 | ind

A004 | Ivan | Torento | 15 | 008-22544166 | ind

A010 | Santakumar | bengaluru | 14 | 007-22388644 | rsa

A001 | Subbarao | bengaluru | 14 | 077-12346674 | rsa

A003 | alex | London | 54 | 075-12458969 |

(12 rows)

student=#

student=#

student=#

student=# table company;

ERROR: relation "company" does not exist

LINE 1: table company;

^

student=# table emp;

eid | dname | salary

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

1 | sales | 20000

2 | HR | 10000

3 | sales | 15000

4 | HR | 25000

(4 rows)

student=# table employees;

employee\_id | first\_name | last\_name | birth\_date | hire\_date

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

1 | Raju | Kumar | 1996-12-02 | 2020-01-01

3 | Anshul | Aggarwal | 1994-05-11 | 2017-01-01

2 | amit | abhi | 1997-08-24 | 2019-01-01

(3 rows)

student=# \c

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

student=# \l

List of databases

Name | Owner | Encoding | Collate | Ctype | Access privileges

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

assignment1 | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

basektable | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

library | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

postgres | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 |

student | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 | =Tc/postgres +

| | | | | postgres=CTc/postgres

template0 | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 | =c/postgres +

| | | | | postgres=CTc/postgres

template1 | postgres | UTF8 | English\_United States.1252 | English\_United States.1252 | =c/postgres +

| | | | | postgres=CTc/postgres

(7 rows)

student=# \c assignment

connection to server at "localhost" (::1), port 5432 failed: FATAL: database "assignment" does not exist

Previous connection kept

student=# \d

List of relations

Schema | Name | Type | Owner

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

public | AGENTS | table | postgres

public | a | table | postgres

public | agent\_bkp | table | postgres

public | agentbkp | table | postgres

public | agents | table | postgres

public | bas\_dekho | view | postgres

public | basdekho | view | postgres

public | chakde | view | postgres

public | dekho\_bhai | materialized view | postgres

public | dekhobhai | view | postgres

public | emp | table | postgres

public | emp\_eid\_seq | sequence | postgres

public | employee\_audits | table | postgres

public | employees | table | postgres

public | employees\_employee\_id\_seq | sequence | postgres

public | f | table | postgres

public | fort | materialized view | postgres

public | forty | materialized view | postgres

public | jobs | table | postgres

public | sample | table | postgres

public | station | table | postgres

public | test | table | postgres

public | thu | table | postgres

public | tst | table | postgres

(24 rows)

student=# \c assignment1

You are now connected to database "assignment1" as user "postgres".

assignment1=# \d

List of relations

Schema | Name | Type | Owner

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

public | countries | table | postgres

public | dept | table | postgres

public | dub\_countries2 | table | postgres

public | dub\_countries3 | table | postgres

public | dup\_countries | table | postgres

public | employee | table | postgres

(6 rows)

assignment1=# table employee

assignment1-# ;

emp\_id | name | age | hobbies | salary | address | zip

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049

2 | aniket | 27 | painting | 20000 | mumbai | 500149

3 | ajay | 31 | singing | 35000 | delhi | 273008

4 | priyanka | 42 | dancing | 55000 | delhi | 123876

5 | deepika | 26 | dancing | 10000 | delhi | 500786

6 | saloni | 28 | singing | 50000 | Mumbai | 400149

7 | yash | 34 | photography | 40000 | Mumbai | 450049

8 | vinay | 45 | painting | 70000 | Mumbai | 273006

(8 rows)

assignment1=# select e.\*,max(salary) over(partition by hobbies) as max\_salary from employee e;

emp\_id | name | age | hobbies | salary | address | zip | max\_salary

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 55000

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 55000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 70000

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 70000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 40000

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 50000

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 50000

(8 rows)

assignment1=# select \*,max(salary) over(partition by hobbies) as max\_salary from employee ;

emp\_id | name | age | hobbies | salary | address | zip | max\_salary

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 55000

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 55000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 70000

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 70000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 40000

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 50000

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 50000

(8 rows)

assignment1=# select \*, row\_number() over () as rn from employee;

emp\_id | name | age | hobbies | salary | address | zip | rn

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 2

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 3

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 4

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 5

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 6

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 7

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 8

(8 rows)

assignment1=# select \*, row\_number() as rn from employee;

ERROR: window function row\_number requires an OVER clause

LINE 1: select \*, row\_number() as rn from employee;

^

assignment1=# select \*, row\_number() over (partition by hobbies) as rn from employee;

emp\_id | name | age | hobbies | salary | address | zip | rn

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 2

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 3

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 1

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 2

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 2

(8 rows)

assignment1=# select \*, row\_number() over (partition by hobbies order by address) as rn from employee;

emp\_id | name | age | hobbies | salary | address | zip | rn

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 2

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 3

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 2

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 2

(8 rows)

assignment1=# select \*, row\_number() over (partition by hobbies order by emp\_id) as rn from employee;

emp\_id | name | age | hobbies | salary | address | zip | rn

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 2

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 3

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 2

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 2

(8 rows)

assignment1=# select \* from (select \*, row\_number() over (partition by hobbies order by emp\_id) as rn from employee) as x where x.rn>1;

emp\_id | name | age | hobbies | salary | address | zip | rn

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

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 2

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 3

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 2

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 2

(4 rows)

assignment1=# select \* from (select \*, row\_number() over (partition by hobbies order by emp\_id) as rn from employee) as x where rn>1;

emp\_id | name | age | hobbies | salary | address | zip | rn

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

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 2

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 3

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 2

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 2

(4 rows)

assignment1=# select \*, rank() over (partition by hobbies order by salary) as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 3

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 2

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 2

(8 rows)

assignment1=# select \*, rank() over (partition by hobbies order by salary desc) as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 1

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 2

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 2

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 1

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 2

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 2

(8 rows)

assignment1=# select \*, dense\_rank() over (partition by hobbies order by hobbies ) as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 1

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 1

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 1

(8 rows)

assignment1=# select \*, dense\_rank() over (partition by address order by hobbies ) as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 2

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 1

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 2

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 3

(8 rows)

assignment1=# select \*, dense\_rank() over (order by hobbies ) as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 2

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 2

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 3

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 4

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 4

(8 rows)

assignment1=# select \*, rank() over (order by hobbies ) as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 4

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 4

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 6

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 7

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 7

(8 rows)

assignment1=# select \*, dense\_rank() over () as rnk from employee;

emp\_id | name | age | hobbies | salary | address | zip | rnk

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 1

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 1

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 1

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 1

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 1

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 1

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 1

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 1

(8 rows)

assignment1=# select \*, lag(salary) over() as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 |

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 10000

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 20000

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 35000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 10000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 50000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 40000

(8 rows)

assignment1=# select \*, lag(salary, 1, null) over() as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 |

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 10000

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 20000

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 35000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 10000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 50000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 40000

(8 rows)

assignment1=# select \*, lag(salary, 1, amit) over() as prev\_sal from employee;

ERROR: column "amit" does not exist

LINE 1: select \*, lag(salary, 1, amit) over() as prev\_sal from emplo...

^

assignment1=# select \*, lag(salary, 1, 'amit') over() as prev\_sal from employee;

ERROR: invalid input syntax for type integer: "amit"

LINE 1: select \*, lag(salary, 1, 'amit') over() as prev\_sal from emp...

^

assignment1=# select \*, lag(salary, 1, 0)over() as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 0

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 10000

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 20000

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 35000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 10000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 50000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 40000

(8 rows)

assignment1=# select \*, lag(salary, 1,"amit") over() as prev\_sal from employee;

ERROR: column "amit" does not exist

LINE 1: select \*, lag(salary, 1,"amit") over() as prev\_sal from empl...

^

assignment1=# select \*, lag(salary, 1,"amit") over(partition by hobbies) as prev\_sal from employee;

ERROR: column "amit" does not exist

LINE 1: select \*, lag(salary, 1,"amit") over(partition by hobbies) a...

^

assignment1=# select \*, lag(salary, 1,0) over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 0

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 10000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 0

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 70000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 0

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 0

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 50000

(8 rows)

assignment1=# select \*, lag(salary, 1,4) over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 4

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 10000

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 4

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 70000

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 4

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 4

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 50000

(8 rows)

assignment1=# select \*, lag(salary, 2,4) over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 4

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 4

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 10000

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 4

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 4

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | 4

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 4

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 4

(8 rows)

assignment1=# select \*, lag(name, 1,0) over(partition by hobbies) as prev\_sal from employee;

ERROR: function lag(character varying, integer, integer) does not exist

LINE 1: select \*, lag(name, 1,0) over(partition by hobbies) as prev\_...

^

HINT: No function matches the given name and argument types. You might need to add explicit type casts.

assignment1=# select \*, lag(name, 1,"amit") over(partition by hobbies) as prev\_sal from employee;

ERROR: column "amit" does not exist

LINE 1: select \*, lag(name, 1,"amit") over(partition by hobbies) as ...

^

assignment1=# select \*, lag(name) over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 |

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | mohit

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | priyanka

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 |

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | vinay

7 | yash | 34 | photography | 40000 | Mumbai | 450049 |

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 |

3 | ajay | 31 | singing | 35000 | delhi | 273008 | saloni

(8 rows)

assignment1=# select \*, lag(name,1,0) over(partition by hobbies) as prev\_sal from employee;

ERROR: function lag(character varying, integer, integer) does not exist

LINE 1: select \*, lag(name,1,0) over(partition by hobbies) as prev\_s...

^

HINT: No function matches the given name and argument types. You might need to add explicit type casts.

assignment1=# select \*, lag(name,1,'amit') over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | amit

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | mohit

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | priyanka

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | amit

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | vinay

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | amit

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | amit

3 | ajay | 31 | singing | 35000 | delhi | 273008 | saloni

(8 rows)

assignment1=# select \*, lag(name,1,'null') over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | null

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | mohit

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | priyanka

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | null

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | vinay

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | null

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | null

3 | ajay | 31 | singing | 35000 | delhi | 273008 | saloni

(8 rows)

assignment1=# select \*, lead(name,1,'null') over(partition by hobbies) as prev\_sal from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | priyanka

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | deepika

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | null

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | aniket

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | null

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | null

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | ajay

3 | ajay | 31 | singing | 35000 | delhi | 273008 | null

(8 rows)

assignment1=# select \*, lead(name,1,'null') over(partition by hobbies) as prev\_name from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_name

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | priyanka

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | deepika

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | null

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | aniket

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | null

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | null

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | ajay

3 | ajay | 31 | singing | 35000 | delhi | 273008 | null

(8 rows)

assignment1=# select \*, lead(salary) over(partition by hobbies) as prev\_sal, case when salary < prev\_sal then 'less' when salary > prev\_sal then 'more' when salary=prev\_sal then 'equal' end difference from employee;

ERROR: column "prev\_sal" does not exist

LINE 1: ...ition by hobbies) as prev\_sal, case when salary < prev\_sal t...

^

assignment1=# select \*, lead(salary) over(partition by hobbies) as prev\_sal, case when salary < lead(salary) over(partition by hobbies) then 'less' when salary> lead(salary) over(partition by hobbies) then 'more' when salary= lead(salary) over(partition by hobbies) then 'equal' end difference from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal | difference

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | 55000 | less

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 10000 | more

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | |

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | 20000 | more

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | |

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | |

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | 35000 | more

3 | ajay | 31 | singing | 35000 | delhi | 273008 | |

(8 rows)

assignment1=# select \*, lag(salary) over(partition by hobbies) as prev\_sal, case when salary < lag(salary) over(partition by hobbies) then 'less' when salary> lag(salary) over(partition by hobbies) then 'more' when salary= lag(salary) over(partition by hobbies) then 'equal' end difference from employee;

emp\_id | name | age | hobbies | salary | address | zip | prev\_sal | difference

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

1 | mohit | 23 | dancing | 10000 | Mumbai | 500049 | |

4 | priyanka | 42 | dancing | 55000 | delhi | 123876 | 10000 | more

5 | deepika | 26 | dancing | 10000 | delhi | 500786 | 55000 | less

8 | vinay | 45 | painting | 70000 | Mumbai | 273006 | |

2 | aniket | 27 | painting | 20000 | mumbai | 500149 | 70000 | less

7 | yash | 34 | photography | 40000 | Mumbai | 450049 | |

6 | saloni | 28 | singing | 50000 | Mumbai | 400149 | |

3 | ajay | 31 | singing | 35000 | delhi | 273008 | 50000 | less

(8 rows)

assignment1=#