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```
-bash-4.2$ psql
Password for user postgres:
psql (12.8)
Type "help" for help.
```

```
postgres=#
```

```
postgres=# select count(*) from pg_available_extensions;
count
-----
    48
(1 row)
```

```
postgres=#
postgres=# create table userlist(uid int,name text,passwd text);
CREATE TABLE
postgres=# insert into userlist values(1,'u1','u1');
INSERT 0 1
```

```
postgres=# select * from userlist;
uid | name | passwd
-----+-----+-----
  1 | u1   | u1
(1 row)
```

```
postgres=# ---i want password should not be visible-----;
postgres=# ---so need a extension pgcrypto-----;
postgres=#
postgres=# insert into userlist
values(2,'u2',pgp_sym_encrypt('u2','AES_KEY'));
ERROR:  function pgp_sym_encrypt(unknown, unknown) does not exist
LINE 1: insert into userlist values(2,'u2',pgp_sym_encrypt('u2','AES...
                                             ^
```

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

```
postgres=#
postgres=# ----not supported---we need to add extension pgcrypto--;
postgres=#
postgres=# \dx
```

```
                List of installed extensions
   Name   | Version | Schema  | Description
-----+-----+-----+-----
file_fdw | 1.0     | public  | foreign-data wrapper for flat file
access
plpgsql  | 1.0     | pg_catalog | PL/pgSQL procedural language
(2 rows)
```

```
postgres=# create extension pgcrypto;
CREATE EXTENSION
postgres=#
```

```
postgres=# \dx
```

```
                List of installed extensions
   Name   | Version | Schema  | Description
-----+-----+-----+-----
file_fdw | 1.0     | public  | foreign-data wrapper for flat file
access
pgcrypto | 1.3     | public  | cryptographic functions
plpgsql  | 1.0     | pg_catalog | PL/pgSQL procedural language
(3 rows)
```

```
postgres=# insert into userlist
values(2,'u2',pgp_sym_encrypt('u2','AES_KEY'));
INSERT 0 1
```

```
postgres=#
```

```
postgres=# select * from userlist;
```

```
  uid | name |
-----+-----
  1   | u1   | u1
  2   | u2   |
\x30d04070302da14d9db5b16046a76d23301d8f59826e9cfabfab06de22ade29838160a
7ab5f01bdfa7eb1e7203a6a22a02a19a1d74620b651ea51c7799c57ba011c1e8c
(2 rows)
```

```
postgres=#
```

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```