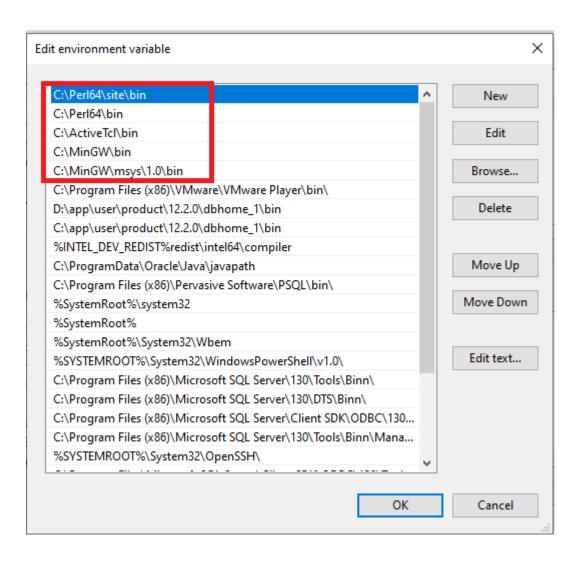
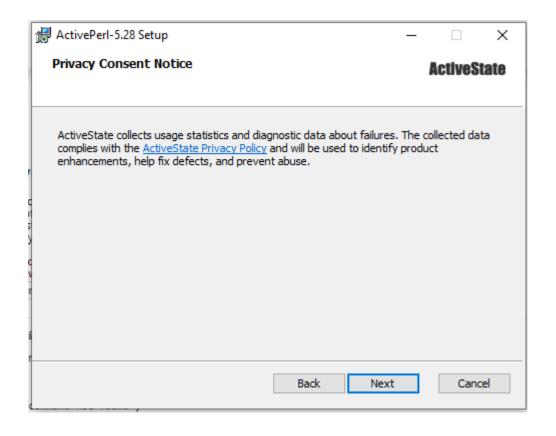
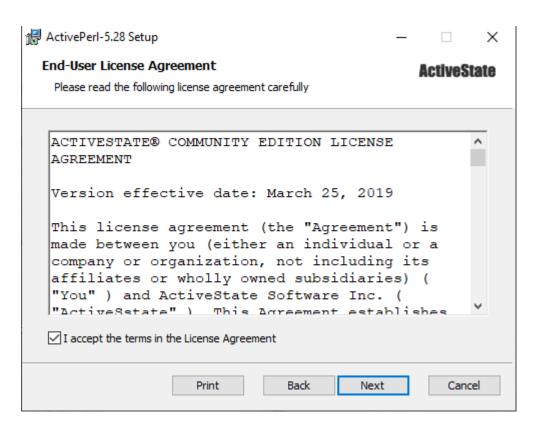
PG INSA Build ToolChain

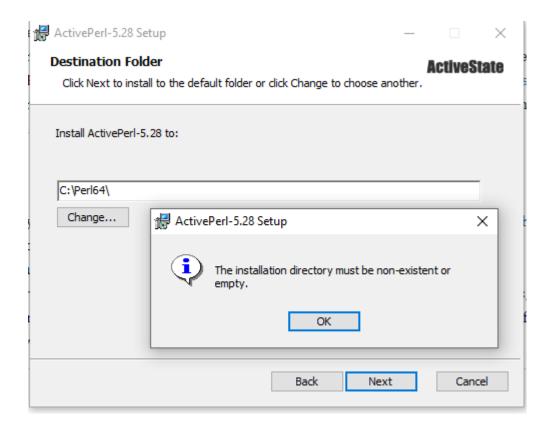




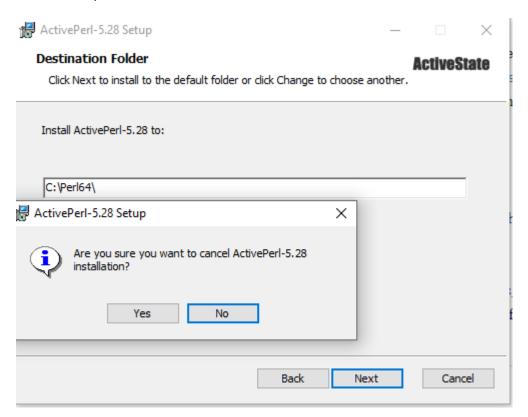


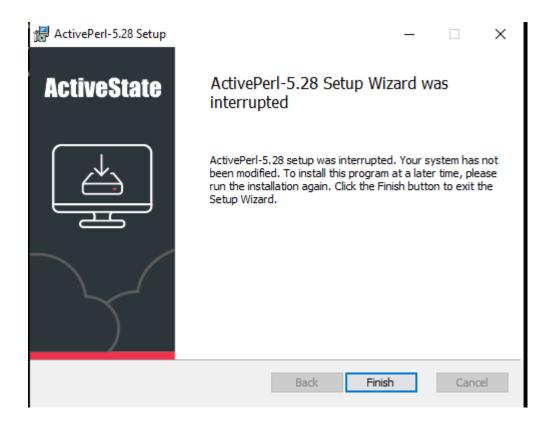






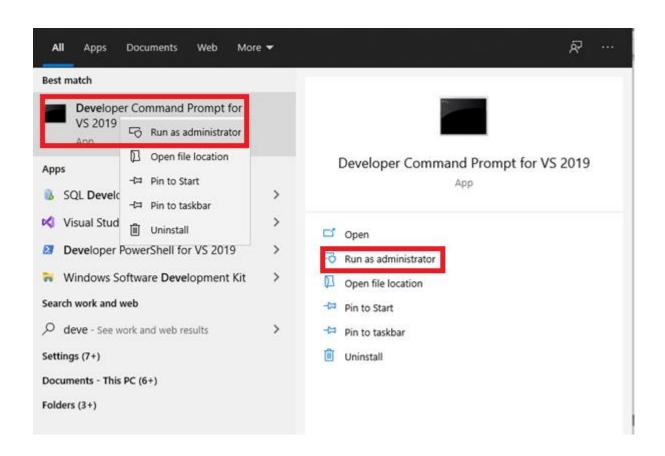
Perl is already installed.





Solution:

Start Developer Command Prompt for VS 2019





```
Administrator: Developer Command Prompt for VS 2019

C:\Windows\System32 D:

D:\ cd D:\postgresql-13.3\src\tools\msvc

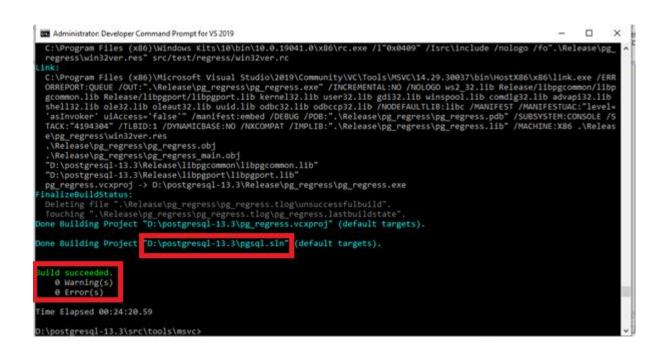
D:\postgresql-13.3\src\tools\msvc build.bat
```

```
***************************
    * Visual Studio 2019 Developer Command Prompt v16.10.4
   ** Copyright (c) 2021 Microsoft Corporation
  C:\Windows\System32>D:
  D:\>cd D:\postgresql-13.3\src\tools\msvc
 D:\postgresql-13.3\src\tools\msvc>ls
                                                                                                                                                           ecpg_regression.proj mkvcbuild.pl
gendef.pl pgbison.bat
install.bat pgbison.pl
install.pl pgflex.bat
 Install.pm README
MSBuildProject.pm Solution.pm
                                                                                                         build.pl
                                                                                                                                                                                                                                                             pgflex.pl
                                                                                                         clean.bat
                                                                                                                                                                                                                                                              vcregress.bat
                                                   VSObjectFactory.pm config_default.pl
build.bat dummylib
  Mkvcbuild.pm
                                                                                                                                                                                                                                                              vcregress.pl
   roject.pm
D:\postgresql-13.3\src\tools\msvc>build.bat
Detected hardware platform: Win32
Generating win32ver.rc for src/backend
Generating win32ver.rc for src/backend/snowball
Generating win32ver.rc for src/pl/plpsql/src
Generating win32ver.rc for src/interfaces/libpq
Generating win32ver.rc for src/backend/replication/libpqwalreceiver
Generating win32ver.rc for src/backend/replication/pgoutput
Generating win32ver.rc for src/interfaces/ecpg/pgtypeslib
Generating win32ver.rc for src/interfaces/ecpg/compatlib
Generating win32ver.rc for src/interfaces/ecpg/compatlib
Generating win32ver.rc for src/interfaces/ecpg/preproc
Generating win32ver.rc for src/interfaces/ecpg/test
Generating win32ver.rc for src/bin/initdb
Generating win32ver.rc for src/bin/pgbench
```

```
Administrator. Developer Command Prompt for VS 2019 - build.bat

Files contrib/cube/cubescan.l
Files contrib/cube/cubescan.l
Files contrib/cube/cubeparse.y
Generating win32ver.rc for contrib/ddict_int
Generating win32ver.rc for contrib/dict_syn
Generating win32ver.rc for contrib/dict_syn
Generating win32ver.rc for contrib/le_fdw
Generating win32ver.rc for contrib/le_fdw
Generating win32ver.rc for contrib/hstore
Generating win32ver.rc for contrib/hstore
Generating win32ver.rc for contrib/isn
Generating win32ver.rc for contrib/lo
Generating win32ver.rc for contrib/lo
Generating win32ver.rc for contrib/lo
Generating win32ver.rc for contrib/pageinspect
Generating win32ver.rc for contrib/passwordcheck
Generating win32ver.rc for contrib/passwordcheck
Generating win32ver.rc for contrib/pgrowlocks
Generating win32ver.rc for contrib/pg.buffercache
Generating win32ver.rc for contrib/pg.buffercache
Generating win32ver.rc for contrib/pg.prewarm
Generating win32ver.rc for contrib/pg.prewarm
Generating win32ver.rc for contrib/pg.prewarm
Generating win32ver.rc for contrib/pg.pstandby
Generating win32ver.rc for contrib/pg.trgm
Generating win32ver.rc for contrib/pg.trgm
Generating win32ver.rc for contrib/pg.trgm
Generating win32ver.rc for contrib/pg.trgm
Generating win32ver.rc for contrib/pstres_fdw
Generating win32ver.rc for contrib/seg
Files contrib/seg/segscan.l
Files contrib/seg/segscan.l
```

```
rc/include /Isrc/include/port/win32 /Isrc/include/port/win32 msvc /Isrc/backend /Zi /nologo /W3 /WX- /diagnostics:col umm /Ox /Oy- /D WIN32 /D WINDOWS /D WINDOWS /D WIN32 /D WIN32 STACK RLIMIT=4194394 /D CRT_SECURE_NO DEPRECATE /D BUILDING_DLL /D _MBCS /GF /Gm- /EHsc /MD /GS /fp:precise /Zc:wchar_t /Z::forScope /Zc:inline /Fo".\release\postgres\src_backend_replication_logical_relation.obj" /Fd".\Release\postgres\vc142.pdb" /ex tennal:W3 /Gd /Tc /wd4918 /wd4244 /wd4273 /wd4102 /wd4090 /wd4267 /analyze- /FC /errorReport:queue /MP src/backend/replication/logical/relation.c c:\Program Files (x86)\Microsoft Visual Studio\2019\Community\VC\Tools\MSVC\14.29.30037\bin\HostX86\x86\CL.exe /c /Is rc/include /Isrc/include/port/win32 /Isrc/include/port/win32 msvc /Isrc/backend /Zi /nologo /W3 /WX- /diagnostics:col umm /Ox /Oy- /D WIN32 /D WI
```



```
D:\postgresql-13.3\src\tools\msvc>vcregress check_
```

```
rangefuncs
                                               1660 ms
    prepare
                                ... ok
                                               1570 ms
    conversion
                                ... ok
                                              1469 ms
                                ... ok
                                              2207 ms
    truncate
                                ... ok
    alter table
                                              2977 ms
                                ... ok
    sequence
                                               985 ms
                                ... ok
                                              1082 ms
    polymorphism
                                              1357 ms
1242 ms
                                ... ok
    rowtypes
                               ... ok
    returning
                                              1238 ms
    largeobject
                               ... ok
                                              823 ms
                               ... ok
... ok
    with
    xm1
                                               823 ms
parallel group (9 tests): reloptions hash_part explain partition_info
                        ... ok 3455 ms
... ok 7783 ms
... ok 1276 ms
    partition join
    partition_prune
    reloptions
                                              1054 ms
    hash_part
                               ... ok
                                              2157 ms
    indexing
                               ... ok
                            ... ok
    partition_aggregate
partition_info
                                              3947 ms
                               ... ok
                                              1674 ms
                                ... ok
    tuplesort
                                              4302 ms
                               ... ok
    explain
                                              984 ms
test event_trigger
test fast_default
                                               287 ms
392 ms
                               ... ok
test fast_default ... ok
test stats ... ok
========= shutting down postmaster
                                              277 ms
======= removing temporary instance
-----
All 201 tests passed.
_____
D:\postgresql-13.3\src\tools\msvc>
```

```
Administrator: Developer Command Prompt for VS 2019

D:\postgresql-13.3\src\tools\msvc:

vcregress contribcheck
```

```
D:\postgresql-13.3\src\tools\msvc install.bat C:\PostgreSQL13
Installing version 13 for release in C:\PostgreSQL13
Copying build output files.....
Copying config files.....
Copying Import libraries...
Copying contrib data files.....
Copying Public headers....
Copying Libpq headers..
Copying Libpq internal headers..
Copying Internal headers...
Copying Server headers...
Copying Grammar header.
Copying PL/pgSQL header.
80 File(s) copied
1 File(s) copied
142 File(s) copied
35 File(s) copied
33 File(s) copied
1 File(s) copied
56 File(s) copied
10 File(s) copied
2 File(s) copied
3 File(s) copied
13 File(s) copied
14 File(s) copied
2 File(s) copied
20 File(s) copied
27 File(s) copied
22 File(s) copied
```

```
27 File(s) copied
22 File(s) copied
4 File(s) copied
40 File(s) copied
2 File(s) copied
11 File(s) copied
5 File(s) copied
20 File(s) copied
7 File(s) copied
43 File(s) copied
2 File(s) copied
55 File(s) copied
8 File(s) copied
7 File(s) copied
88 File(s) copied
Copying ECPG headers.....
Copying ECPG informix headers...
Copying timezone names.....
Copying timezone sets...
Copying BKI files.
Copying SQL files..
Copying Information schema data.
Copying Error code data.
Generating timezone files...
Generating tsearch script.....
Copying Stopword files.....
Copying Dictionaries sample files......
Copving PL Extension files..
Installation complete.
D:\postgresql-13.3\src\tools\msvc>install.bat C:\PostgreSOL13
```

Administrator: Developer Command Prompt for VS 2019 D:\postgresql-13.3\src\tools\msvc perl mkvcbuild.pl Warning: no config.pl found, using detault. Detected hardware platform: Win32 Files src/bin/pgbench/exprscan.l Files src/bin/pgbench/exprparse.y Files src/bin/psql/psqlscanslash.l Files contrib/cube/cubescan.l Files contrib/cube/cubeparse.y Files contrib/seg/segscan.l Files contrib/seg/segscan.l Files contrib/seg/segparse.y Generating configuration headers... D:\postgresql-13.3\src\tools\msvc>__

