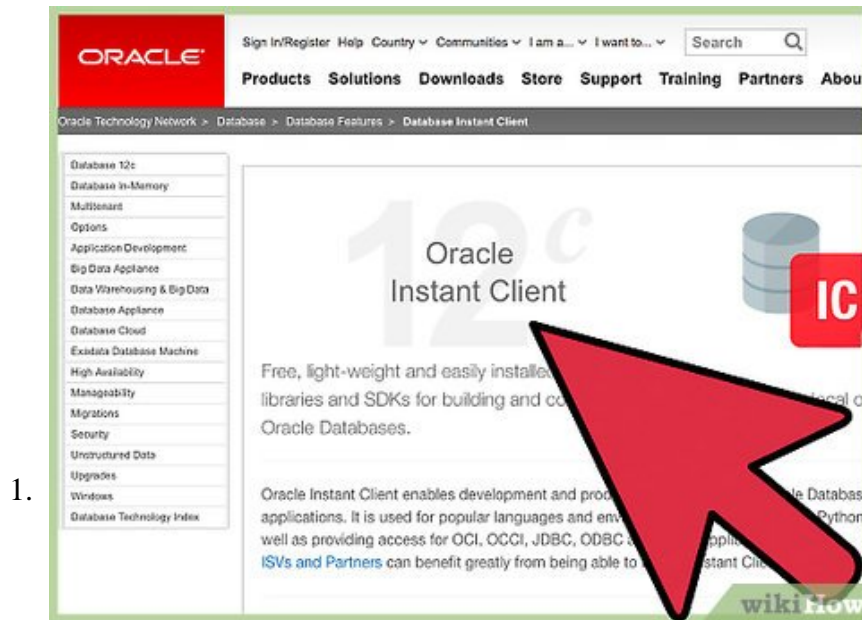


How to Use R Language to Connect with an ORACLE Database

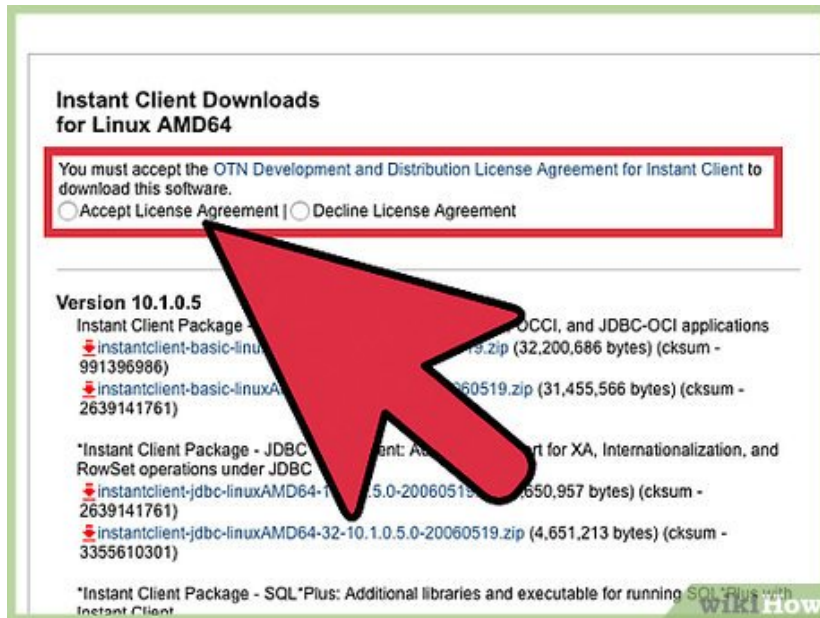
The language R can be used to connect with an ORACLE database and perform several actions. For use on Linux Ubuntu and ORACLE XE, learning to connect in this way makes the task much more manageable. Choose your OS (Linux 32) here:...

Method 1 of 5:

Instant Client + ODBC packages



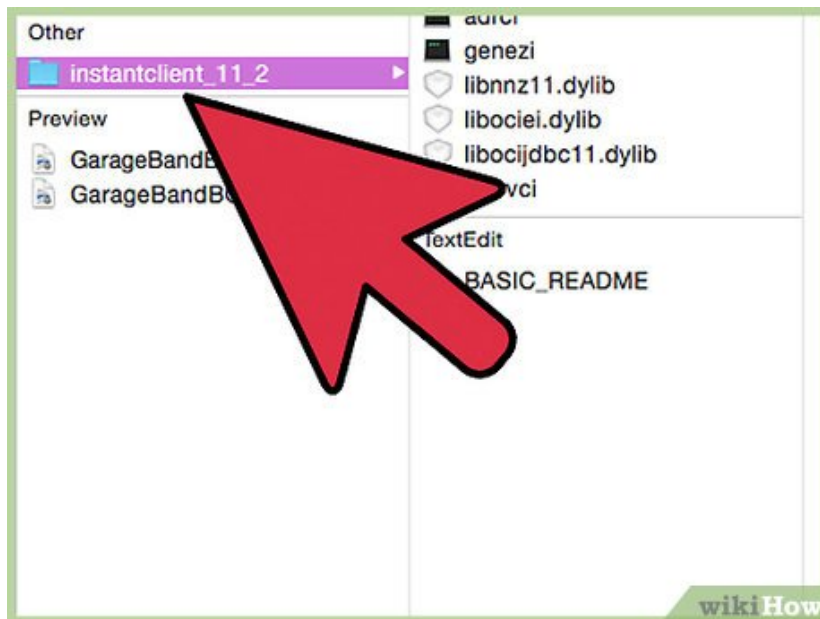
Choose your OS (Linux 32) here:<http://www.oracle.com/technetwork/database/features/instant-client/index-097480.html>



2.

Accept the License Agreement and agree to download:

1. Instant Client Package - Basic
2. Instant Client Package - ODBC

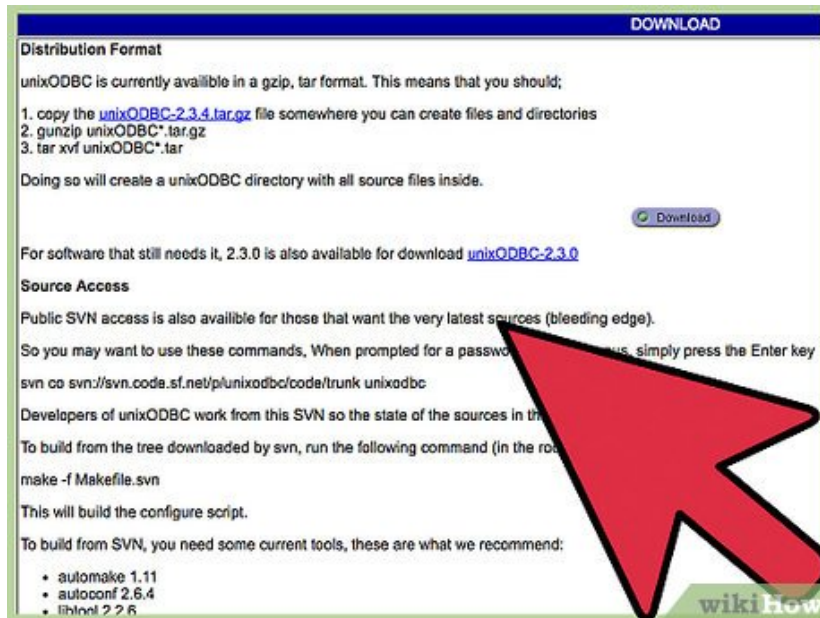


3.

Unzip both packages in the same directory. For example, /home/sven/instantclient_11_2

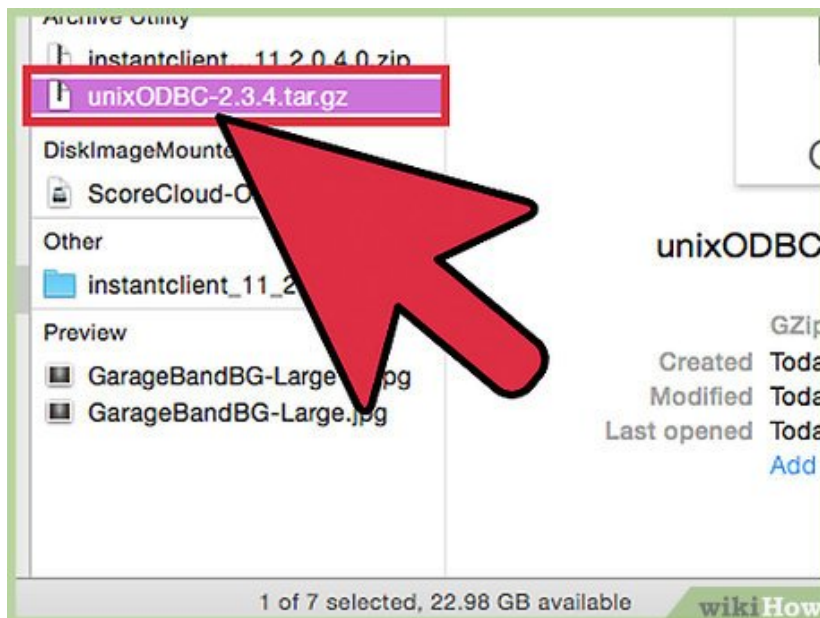
Method 2 of 5:

Unixodbc



1.

Download unixodbc from here: <http://www.unixodbc.org/download.html>.

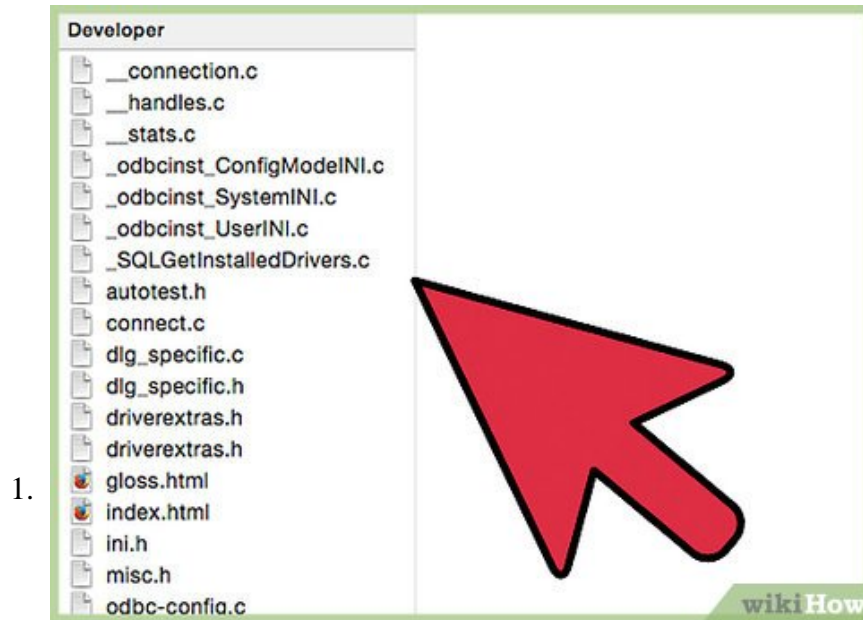


2.

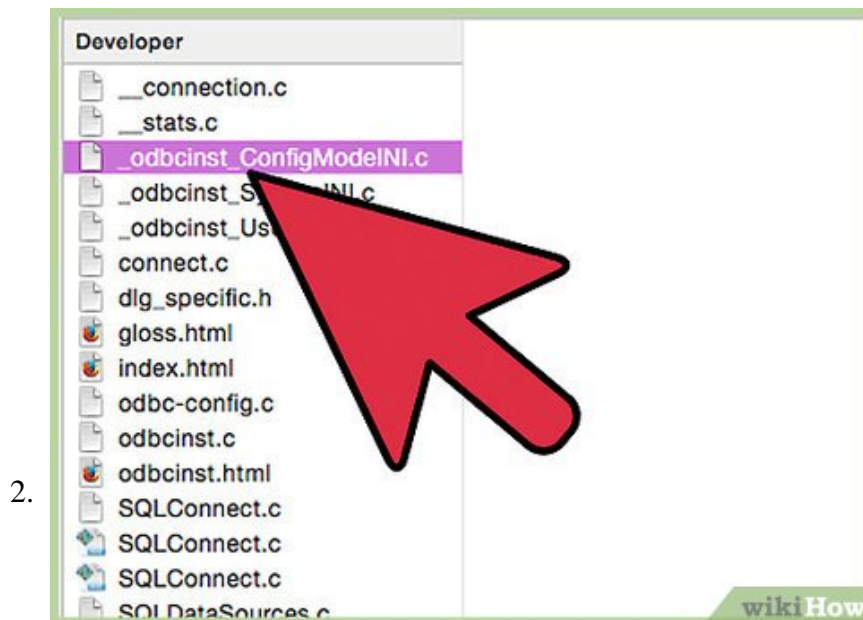
Install it.

Method 3 of 5:

Edit odbc.ini & odbcinst.ini



Find the two .ini files. These are located in /etc/ (Ubuntu). Perhaps there are similar files in other locations; if so, it's recommended that you delete them.



Add a new entry like this:

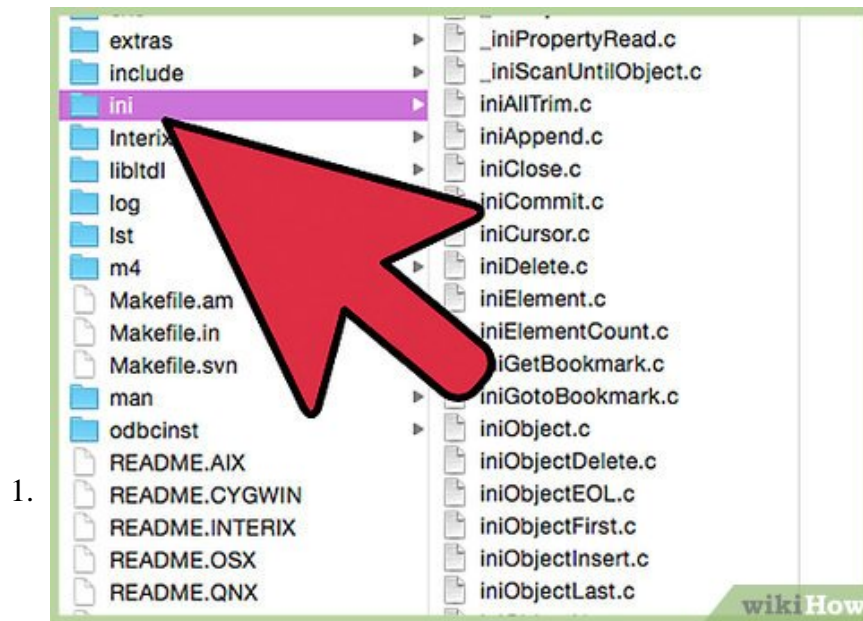
1. For odbc.ini ...

1. [ORACLE2]
2. Driver = ORACLE2
3. ServerName = 143.93.91.33:1521/xe
4. UserID = your_username
5. Password = xxx
6. METADATA_ID = 0
7. ENABLE_USER_CATALOG = 1

8. ENABLE_SYNONYMS = 1
 1. For odbcinst.ini ...
9. [ORACLE2]
10. Description = oracle driver
11. Driver = /home/sven/instantclient_11_2/libsqora.so.11.1
12. DontDLClose = 1
13. FileUsage = 1
14. UsageCount = 1
 1. Notes: 'Driver' points at the file 'libsqora.so.11.1' in the Instant-client location.

Method 4 of 5:

Add to your path



You may need to add 2 entries to your path (example):
`export OCI_LIB=/home/sven/instantclient_11_2`

RODBC: ODBC Database Access

An ODBC database interface.

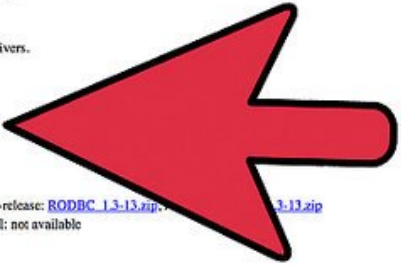
Version: 1.3-13
Depends: R (≥ 3.0.0)
Imports: stats
Published: 2016-04-14
Author: Brian Ripley [aut, cre], Michael Lapsley [aut] (1999 to Oct 2002)
Maintainer: Brian Ripley <ripley@stats.ox.ac.uk>
License: [GPL-2](#) | [GPL-3](#)
NeedsCompilation: yes
SystemRequirements: An ODBC3 driver manager and drivers.
Materials: [ChangeLog](#)
CRAN checks: [RODBC results](#)

Downloads:

Reference manual: [RODBC.pdf](#)
Vignettes: [ODBC Connectivity](#)
Package source: [RODBC_1.3-13.tar.gz](#)
Windows binaries: r-devel: [RODBC_1.3-13.zip](#), r-release: [RODBC_1.3-13.zip](#), r-oldrel: [RODBC_1.3-13.zip](#)
OS X Mavericks binaries: r-release: not available, r-oldrel: not available
Old sources: [RODBC.archive](#)

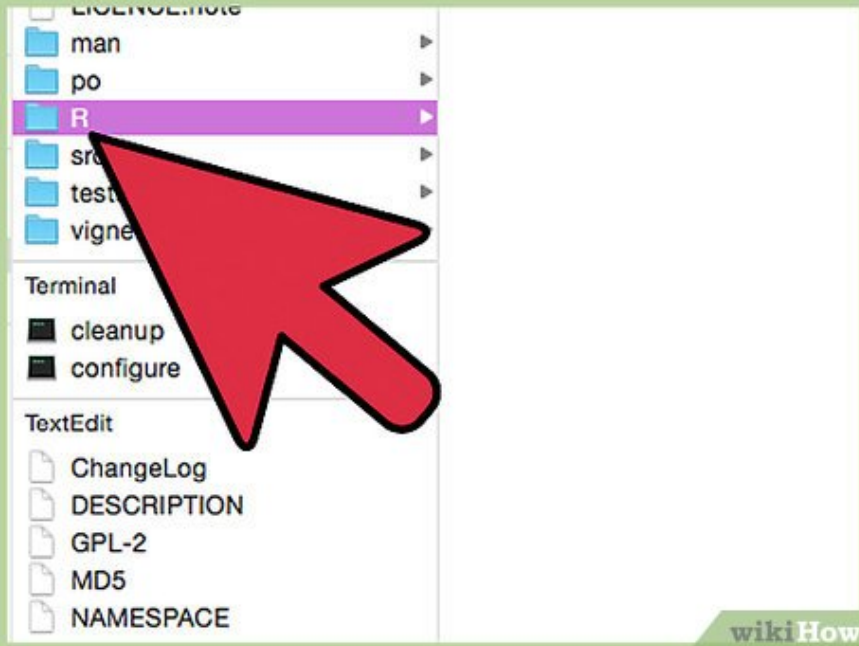
Reverse dependencies:

Reverse depends: [ibmdbR](#), [importExport](#), [mixsep](#), [RODBCext](#), [RODM](#), [stacomertools](#), [toaster](#)
Reverse imports: [RODBCDBI](#), [TSodbc](#)
Reverse suggests: [bigins](#), [BiodiversityR](#), [delti](#), [ETLUtils](#), [icd](#), [mitools](#), [monitorR](#), [ProjectTemplate](#), [rattle](#), [RemedyPluginJPSUR](#), [RemedyPlug](#)
Reverse enhances: [salutils](#)



wikiHow

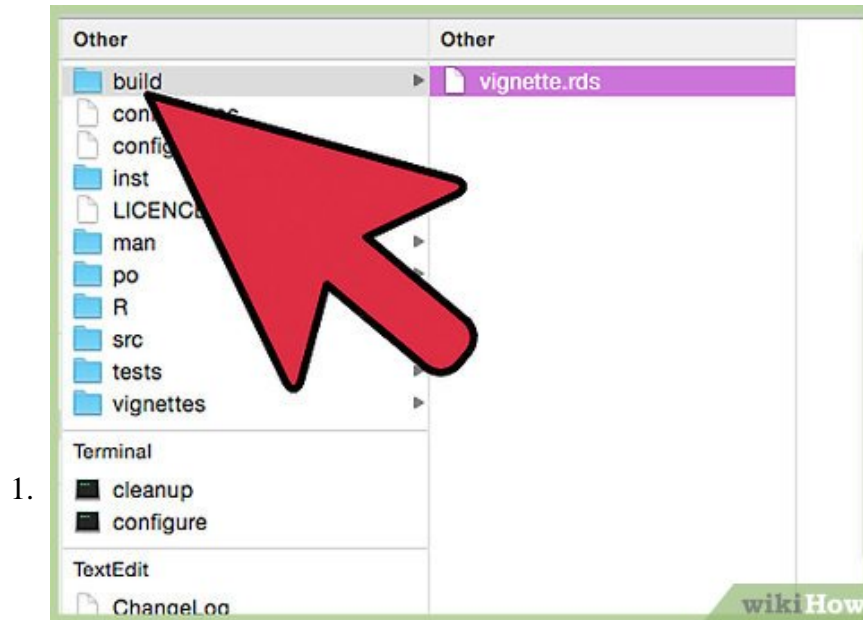
export LD_LIBRARY_PATH=/home/sven/instantclient_11_2



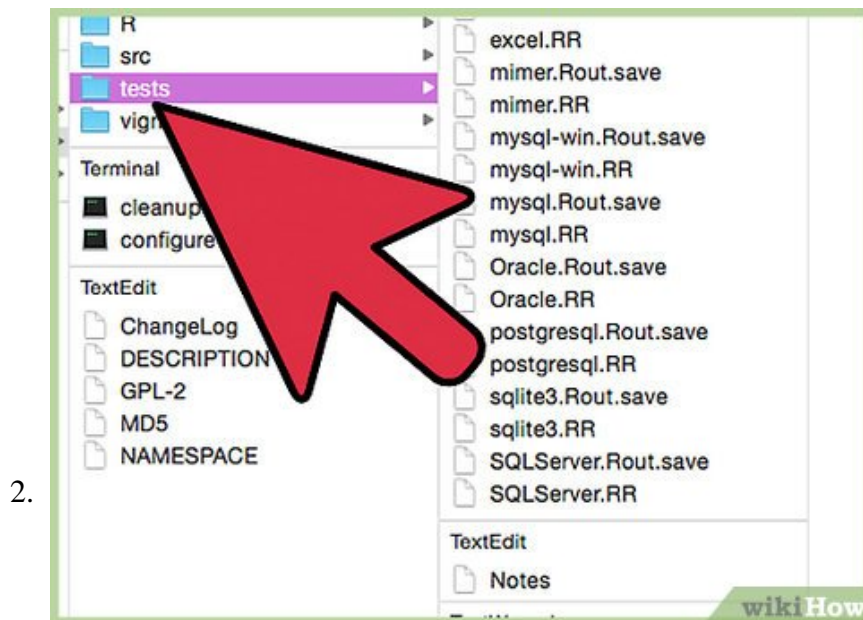
wikiHow

Method 5 of 5:

The R language

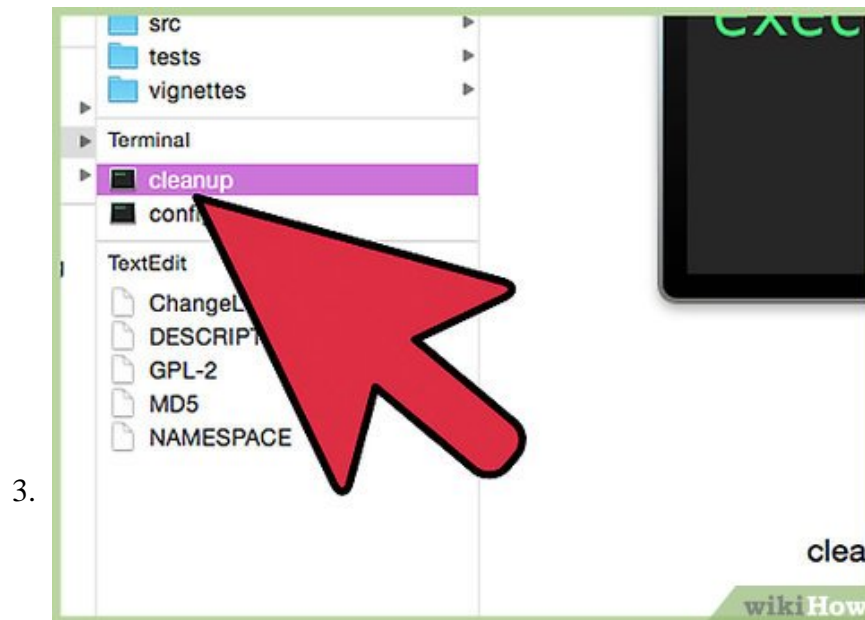


Obtain a package called 'RODBC' in order to connect with the database. Download it here: <http://cran.r-project.org/web/packages/RODBC/index.html>



Start R, switch to the location which contains the RODBC package and an enter the following R code:

1. `install.packages(packagename.tar.gz)`



After the package installation you can create a channel:

1. `ch=odbcConnect("ORACLE2")`
4. **Check the channel with `odbcGetInfo(ch)`**
5. **If the connection was successful, the console shows something like this:**

1. `odbcGetInfo(ch)`
2. `DBMS_Name DBMS_Ver Driver_ODBC_Ver`
3. `"Oracle" "10.02.0010" "03.52"`
4. `Data_Source_Name Driver_Name Driver_Ver`
5. `"ORACLE2" "SQORA32.DLL" "11.02.0001"`
6. `ODBC_Ver Server_Name`
7. `"03.52" "143.93.91.33:1521/xe"`

You finished reading the article "**How to Use R Language to Connect with an ORACLE Database**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.