* **Reserve a system called ‘RocksDB\_ubuntu2’ image on VCL. RocksDB has been installed here.**
* Go to /opt/rocksdb/examples folder

cd /opt/rocksdb/examples

* View this cpp file which does basic CRUD Operations

sudo cat simple\_example.cc

* View Makefile using vim editor

sudo cat Makefile

* Run the below command to compile existing cpp example

sudo make all

* Then run

./simple\_example

* Enter keys and values as prompted by the program.

**Note:** Please do not enter more than one word in each key or value as cpp interprets space as next value.

To enter sentences as value, create another example found in this link:

<https://drive.google.com/open?id=1bfRRhn1MxZZf9vjXwK6Q7k-RUMJ_34i_>

**FROM SCRATCH**

**Installation and setup**

Reserve Ubuntu 16.04 machine on VCL

Install RockDB on Ubuntu

* Check the gcc version

gcc --version

* The gcc version should be at least 4.8 to get C++11 support.
* Install gflags.

sudo apt-get install libgflags-dev

* Install snappy.

sudo apt-get install libsnappy-dev

* Install zlib.

sudo apt-get install zlib1g-dev

* Install bzip2:

sudo apt-get install libbz2-dev

* Install lz4:

sudo apt-get install liblz4-dev

* Install zstandard:

sudo apt-get install libzstd-dev

* Clone rocksdb from github, go to roccksdb directory and run make all

git clone https://github.com/facebook/rocksdb.git

cd rocksdb/

make all

This will take around 1 hour..

* Go to /rocksdb/examples folder

cd /examples

* Create a new cpp file

sudo touch example.cc

* Open this cpp file

sudo vim example.cc

* Add the following code in it

<https://drive.google.com/open?id=1MILioio-SBcnE3R26rueo5qt8y-lqB5b>

* Open Makefile using vim editor

sudo vim Makefile

* Edit the makefile to look like this

<https://drive.google.com/open?id=1XgKjIk0_IH_T-9RNPzJIktY7eqWjx-GO>

* Run the below command to compile existing cpp example

sudo make all

* Then run

./example

* Enter keys and values as prompted by the program.

**Note:** Please do not enter more than one word in each key or value as cpp interprets space as next value.

**To install on other Operating Systems**

**Go to:** https://github.com/facebook/rocksdb/blob/master/INSTALL.md

**Install RocksDB** following the commands that relates to your operating system