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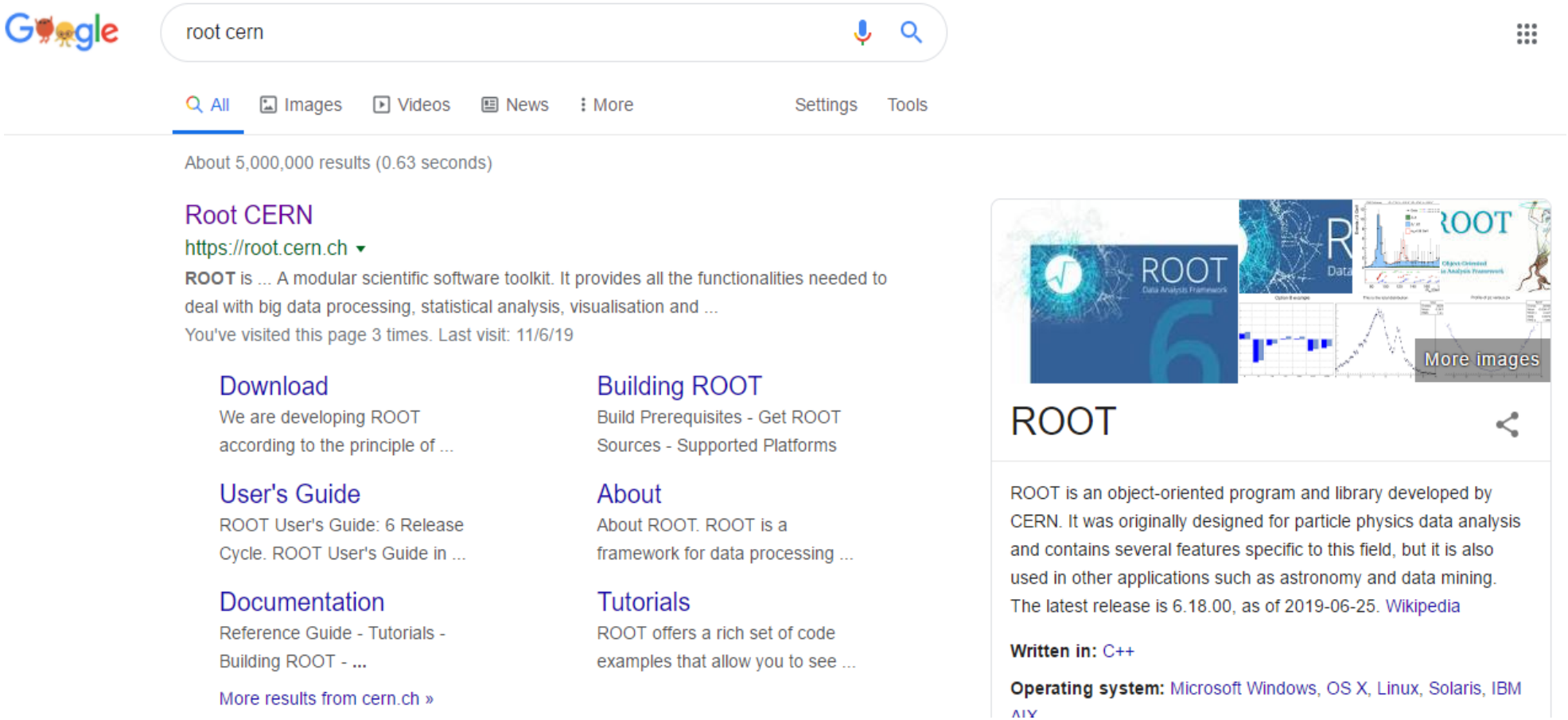
(Experimental High Energy Physics)

Installation of Data Analysis Software

(ROOT CERN)

ROOT CERN

- First, we have to download the ROOT software .exe file for windows from the web link of ROOT CERN site.
- First open any browser and write root cern and press enter. Its open a window.



ROOT CERN

- Link for root cern site (https://root.cern.ch/)
- To see the releases open link (https://root.cern.ch/releases). And scroll down the windows and see the release of version 5 which is suitable for your windows platform.

Version 5

Release 5.34/38 - 2018-03-12
Release 5.34/36 - 2016-04-05
Release 5.34/34 - 2015-10-02
Release 5.34/32 - 2015-06-23
Release 5.34/30 - 2015-04-23
Release 5.34/28 - 2015-03-24
Release 5.34/26 - 2015-02-20
Release 5.34/25 - 2015-01-12
Release 5.34/24 - 2014-12-02
Release 5.34/23 - 2014-11-07
Release 5.34/22 - 2014-10-10
Release 5.34/21 - 2014-09-09
Release 5.34/20 - 2014-08-13
Release 5.34/19 - 2014-07-09
Release 5.34/18 - 2014-03-14
Release 5.34/17 - 2014-02-24
Release 5.34/14 - 2013-12-16

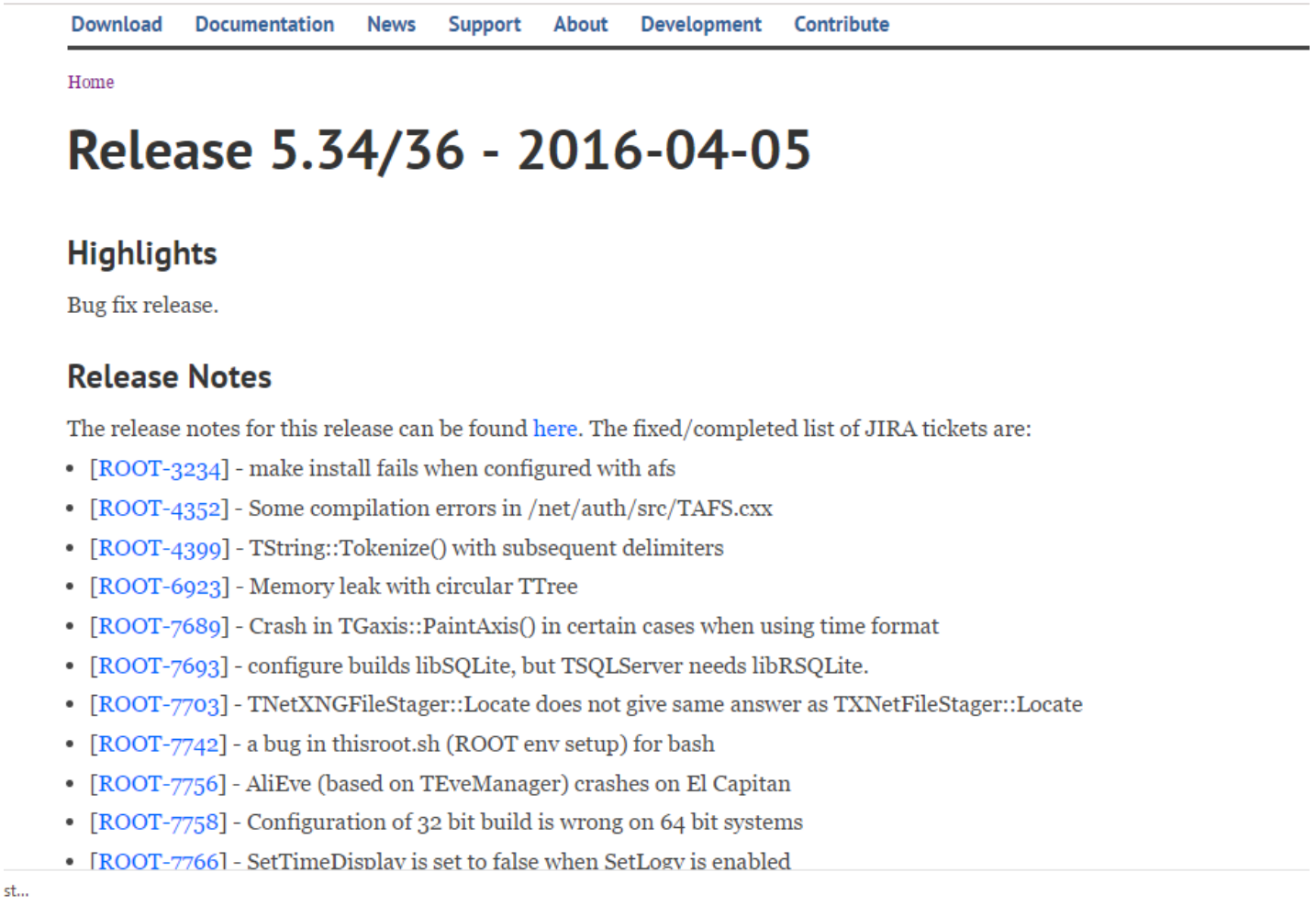
Release 5.27/04 - 2010-06-30
Release 5.27/02 - 2010-04-27
Release 5.26/00c - 2010-07-23
Release 5.26/00b - 2010-02-11
Release 5.26/00a - 2010-01-19
Release 5.26/00 - 2009-12-14
Release 5.25/04 - 2009-11-24
Release 5.25/02 - 2009-10-01
Release 5.24/00b - 2009-10-11
Release 5.24/00 - 2009-06-30
Release 5.23/04 - 2009-04-23
Release 5.23/02 - 2009-02-26
Release 5.22/00j - 2010-04-23
Release 5.22/00i - 2010-03-31
Release 5.22/00h - 2010-02-11
Release 5.22/00g - 2010-01-25
Release 5.22/00f - 2009-12-07

ROOT CERN

- Now open this release which is suitable for your windows platform.

https://root.cern.ch/content/release-53436

- And after open this link you see like this:
- Then scroll down this Windows.



ROOT CERN

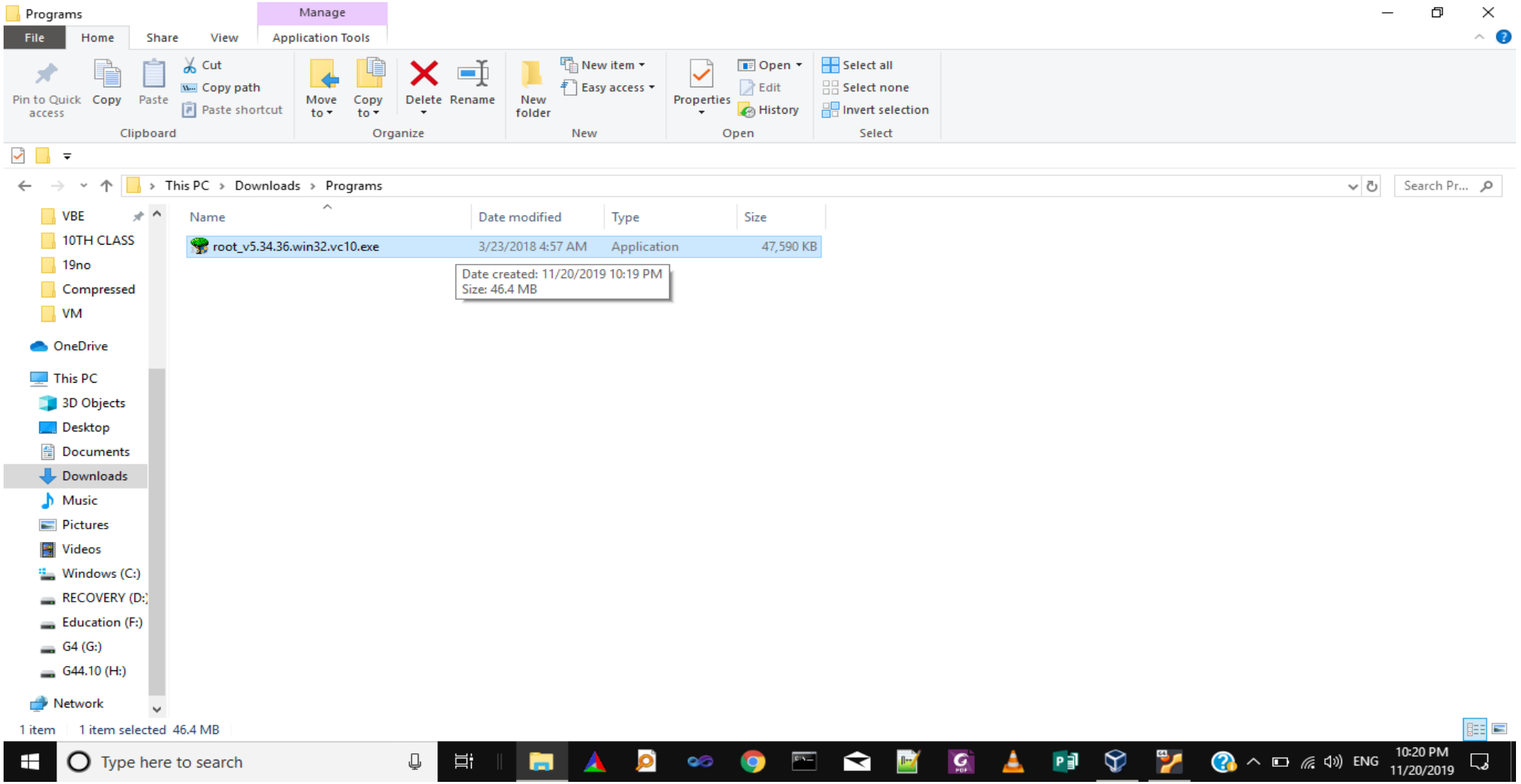
- Now open this link to download the release of version 5:

https://root.cern.ch/download/root_v5.34.36.win32.vc10.exe

Ubuntu 12 gcc4.6	root_v5.34.36.Linux-ubuntu12-x86_64-gcc4.6.tar.gz	58M
Ubuntu 14 gcc4.8	root_v5.34.36.Linux-ubuntu14-x86_64-gcc4.8.tar.gz	62M
OsX 10.9 clang60	root_v5.34.36.macosx64-10.9-clang60.dmg	56M
OsX 10.9 clang60	root_v5.34.36.macosx64-10.9-clang60.tar.gz	56M
OsX 10.10 clang70	root_v5.34.36.macosx64-10.10-clang70.dmg	57M
OsX 10.10 clang70	root_v5.34.36.macosx64-10.10-clang70.tar.gz	56M
OsX 10.11 clang70	root_v5.34.36.macosx64-10.11-clang70.dmg	58M
OsX 10.11 clang70	root_v5.34.36.macosx64-10.11-clang70.tar.gz	58M
Windows Visual Studio 2010 (dbg)	root_v5.34.36.win32.vc10.debug.exe	92M
Windows Visual Studio 2010 (dbg)	root_v5.34.36.win32.vc10.debug.zip	140M
Windows Visual Studio 2010	root_v5.34.36.win32.vc10.exe	46M
Windows Visual Studio 2010	root_v5.34.36.win32.vc10.zip	63M

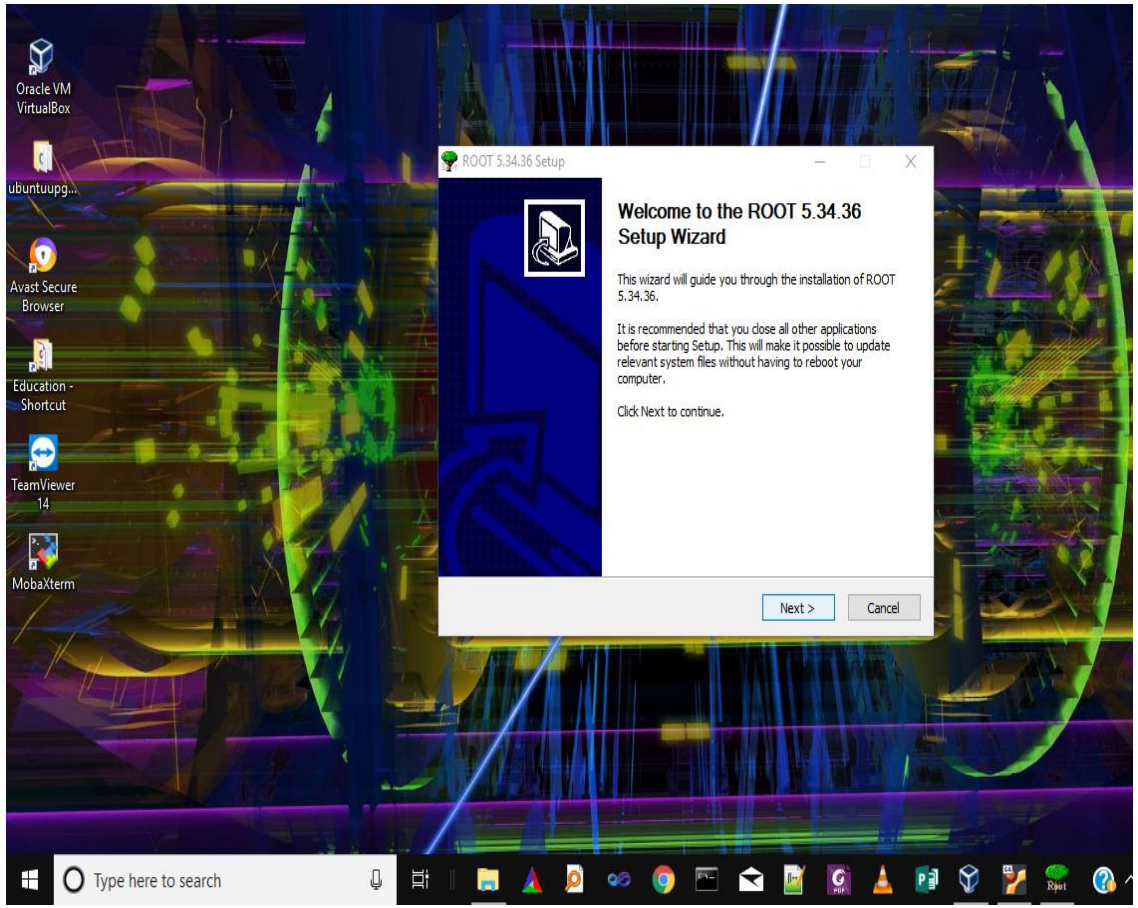
ROOT CERN

- After downloading this root cern install this:

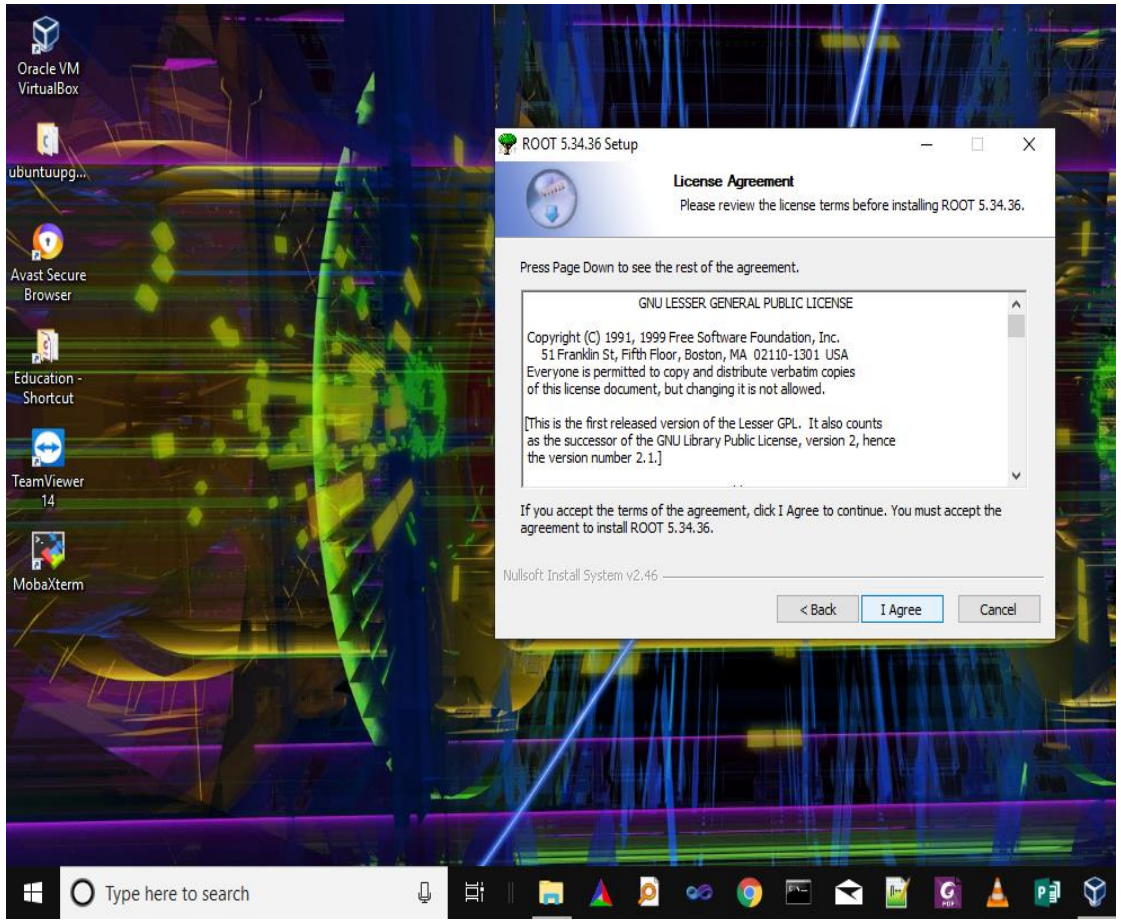


ROOT CERN

- After downloading double click on this file. Its open like a window and click on Next:



- Now agree the license:

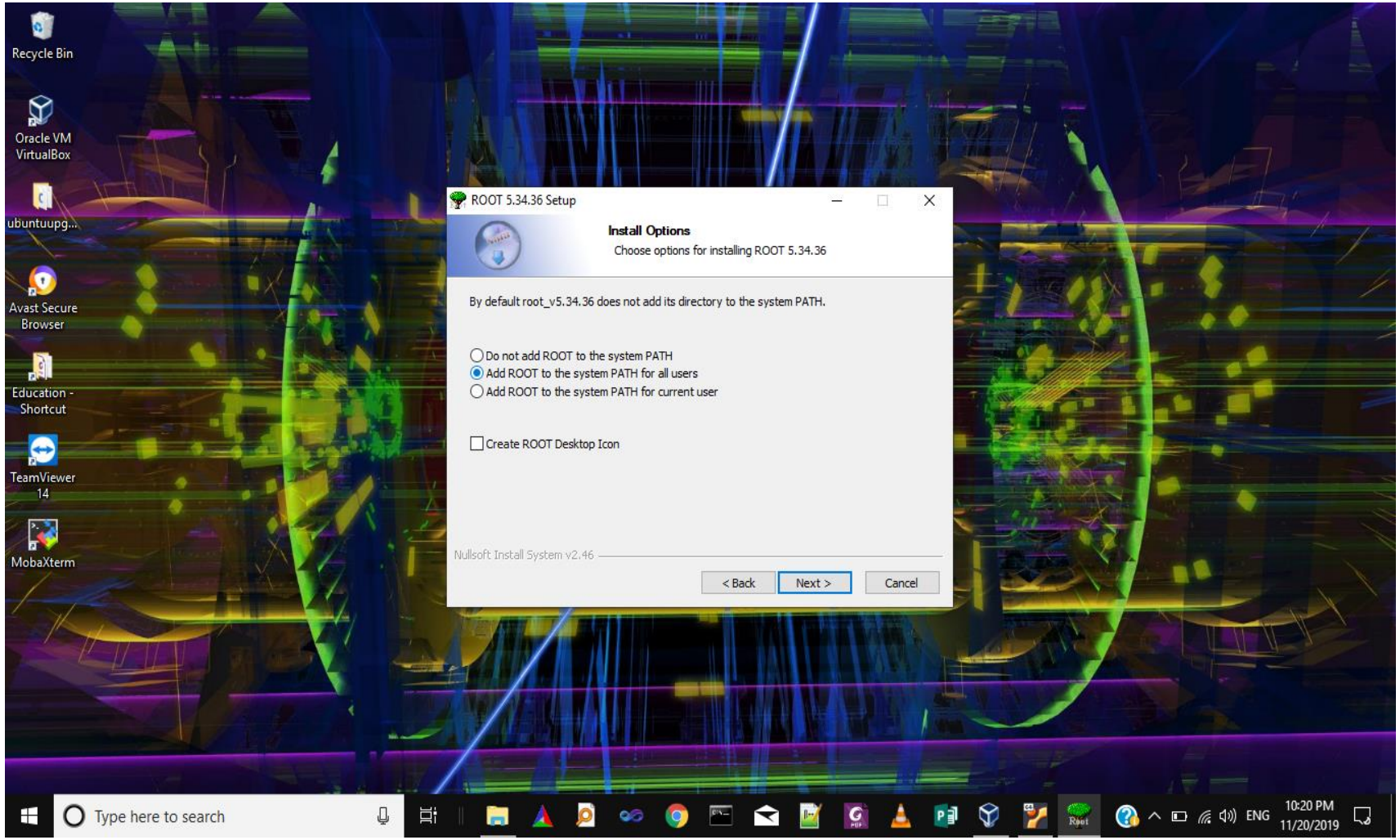


Installation Root Cern

- Now after click on the Agree License and click on the second option, by choosing this option you can access the root software by cmd command.
- And click

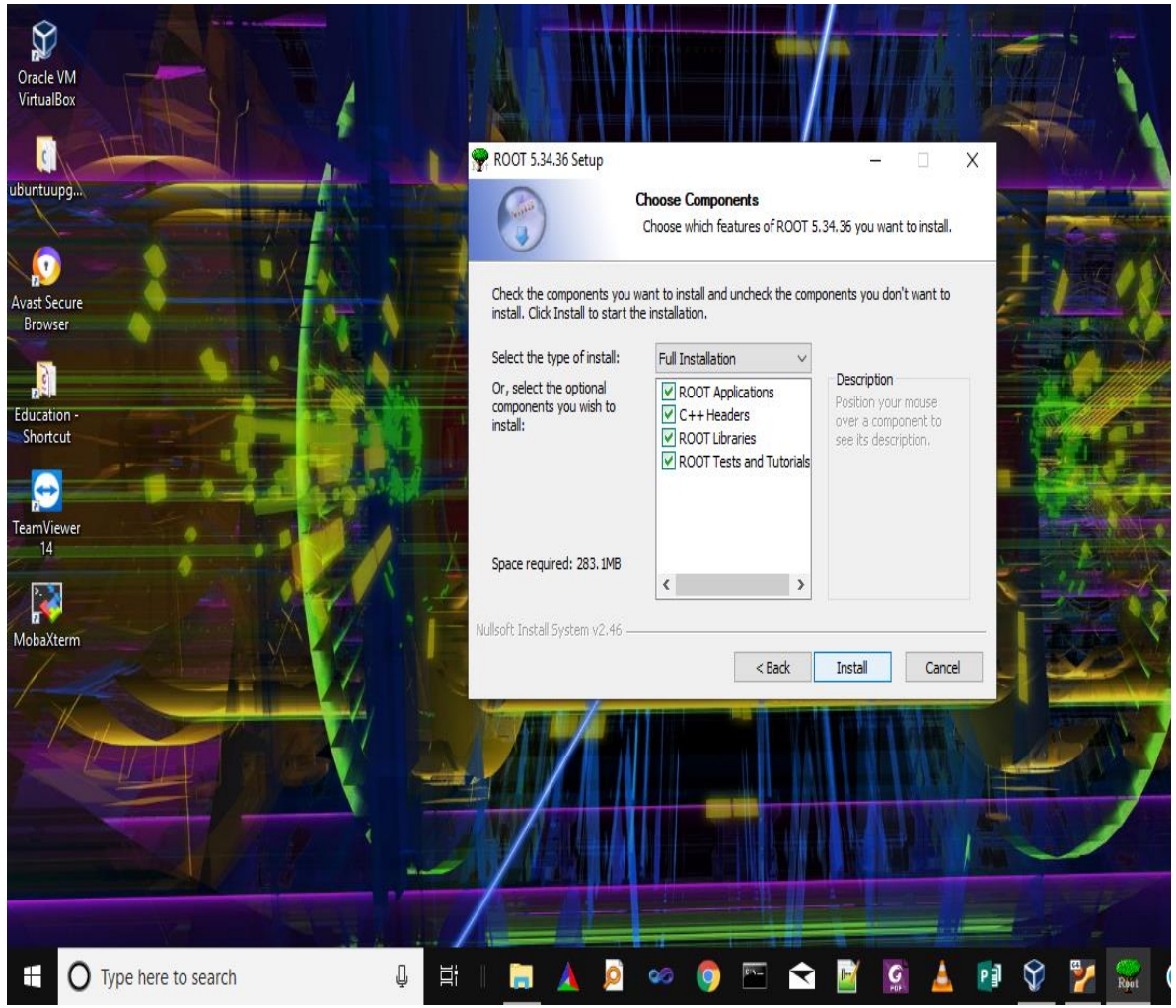
On next next

Next.

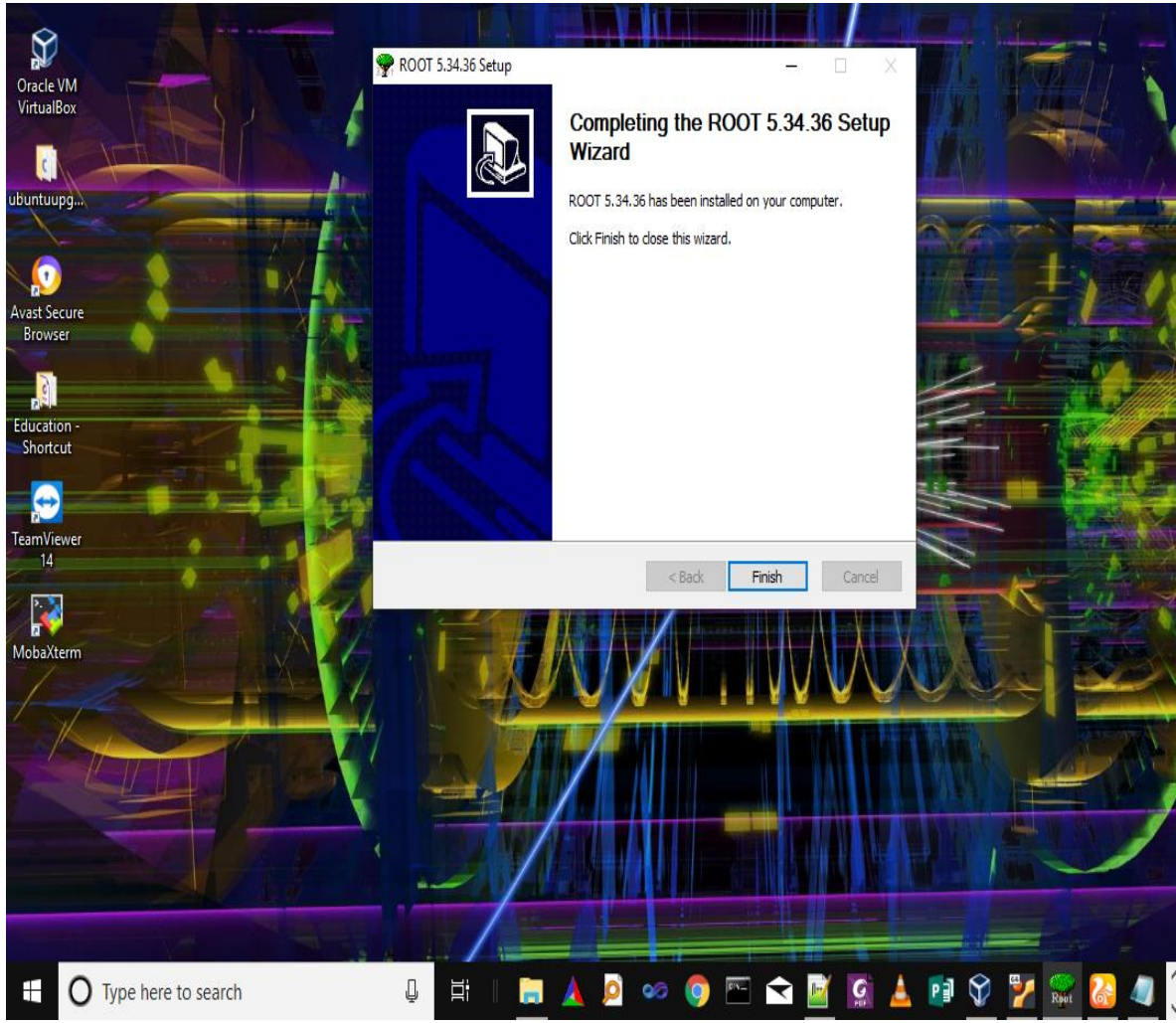


Installation Root Cern

- Now click on install.

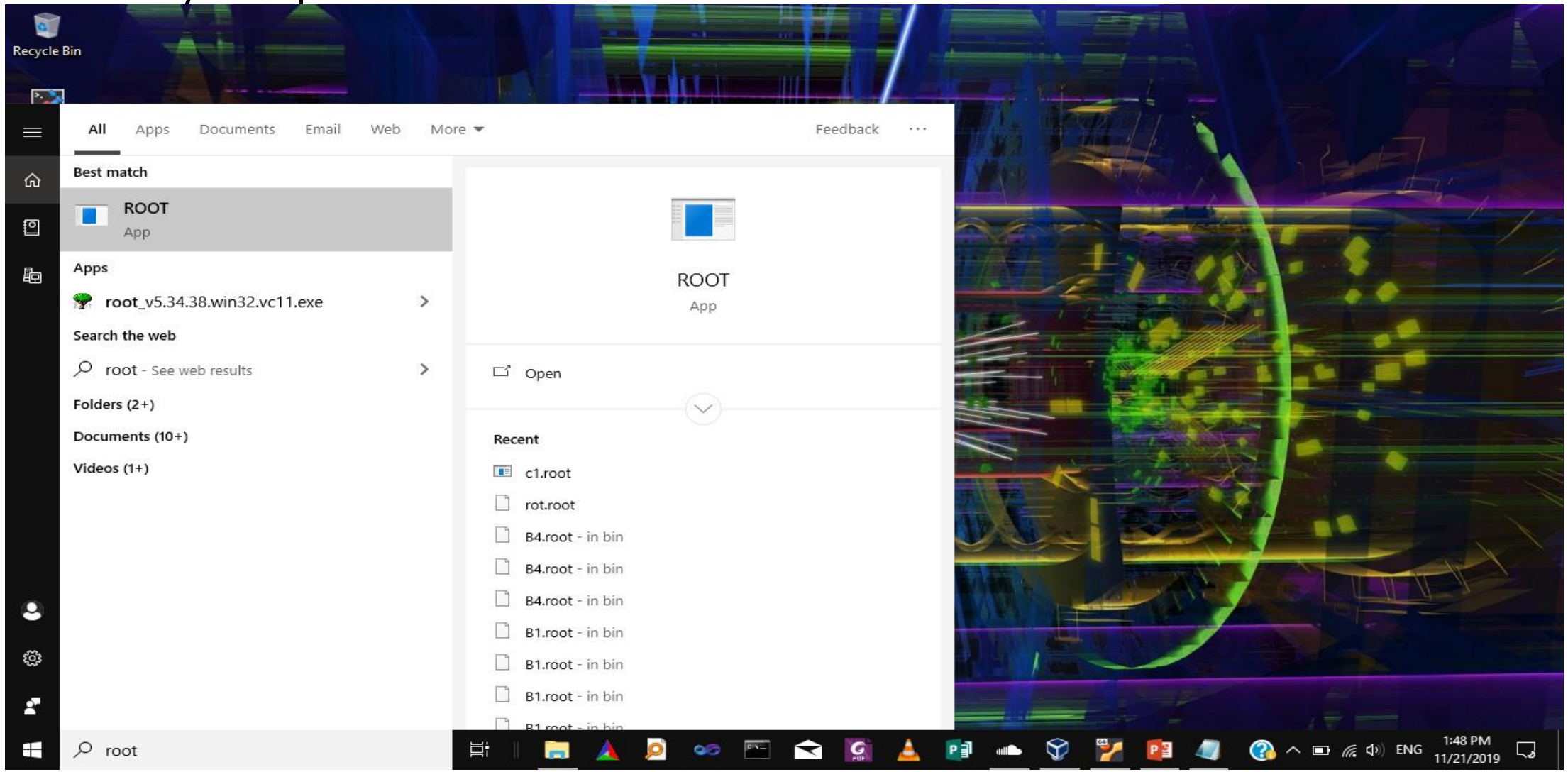


- And after installation click on finish.



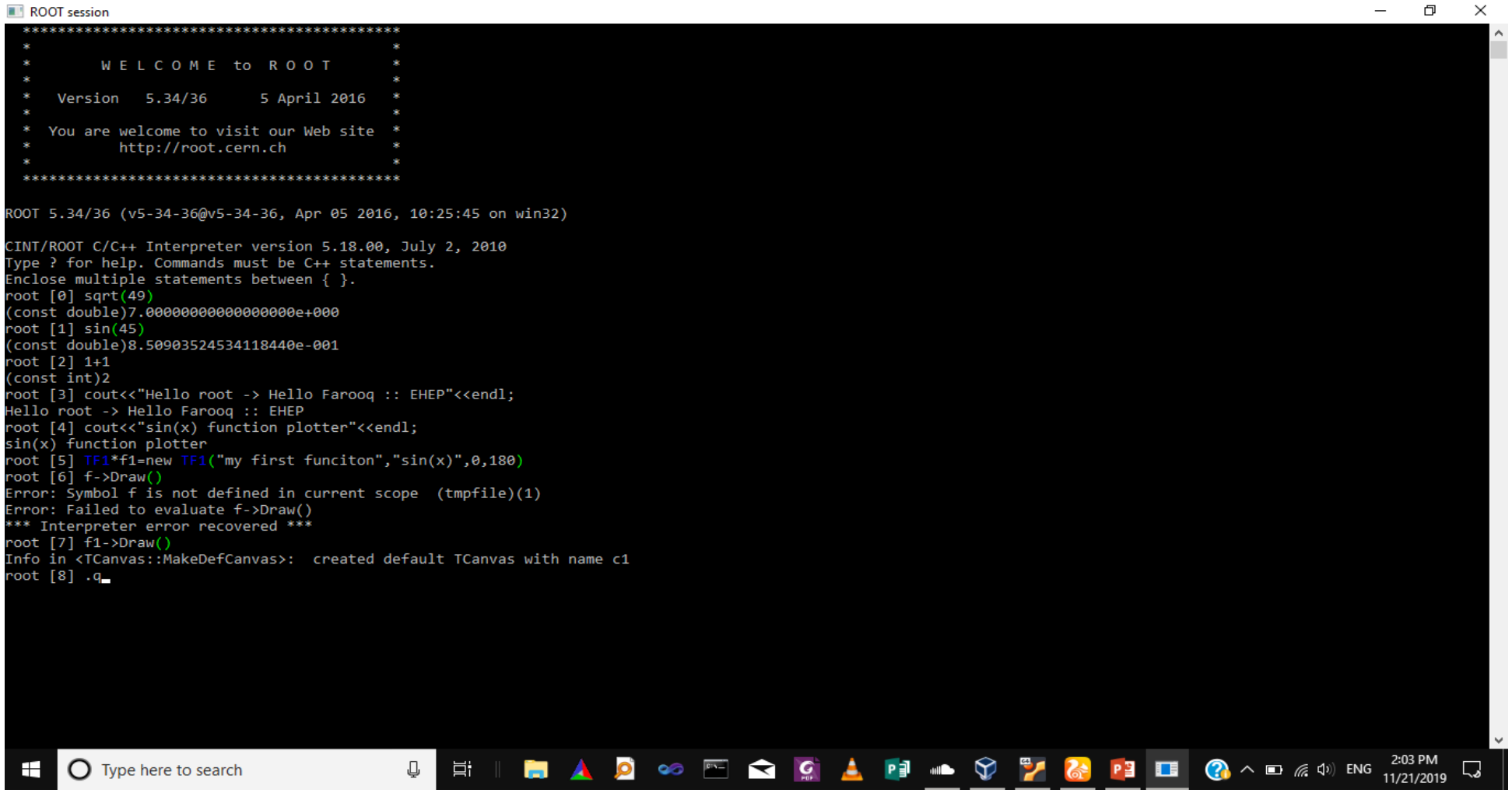
Open the ROOT

- To open the root software go on the “Start menu” there write root and press Enter Key. Its open a windows like that:



Root as Function Plotter

- Here a following scripts I write on the root to draw the sin(x) between range [0,180].
- And then at the last by write .q and press enter to close the root session.



To write a block of scripts

- We can use a Notepad++ editor.
- First we have to download and install this Notepad++.

https://notepad-plus-plus.org/downloads/

- Then open the below link:

https://notepad-plus-plus.org/downloads/v7.8.1/

- For windows 64-bit x64 you have to use the below link:

http://download.notepad-plus-plus.org/repository/7.x/7.8.1/npp.7.8.1.Installer.x64.exe

- Now after download the Notepad++ install this.

Notepad++

- First open the notepad++ software by double clicking on it. And click on next next , agree the licence , next next and install.