

Tools for AICTE Sponsored One Week Online FDP on “Python Programming”

Guidelines for Hands-On Session

Most of the hands-on work would be done on Google Colab environment, for which no installation is needed.

But for DB connectivity we need to do the following:

1> Install DB -> *either* Oracle 11g *or* MySQL

- 1) for Oracle 11g refer here <https://db.suvenconsultants.com/> > downloads > point 1 and 2
(you would get a copy of Oracle 11g 32 bit versions and as well see this document <https://db.suvenconsultants.com/Oracle%20DB%20Installation%20Setup%20Guide.pdf>)

Tip: Please choose a simple password like *admin123* during installing DATABASE.

- 2) for MySQL. Just install xampp (Refer here : <https://www.apachefriends.org/download.html>)
Please Note: Xampp is used to run PHP. But it contains MySQL DB.

- 3) Install Python
Refer video here : <https://drive.google.com/file/d/1LyQrKHLi7xCZapBT-8lXJC4WcrigwwO/view?usp=sharing>
or
You may read this and do it : <https://drive.google.com/file/d/1RuBimUg99Yg-PS9pIEGAmW3AIE3xDK1B/view?usp=sharing>

- 4) Make sure to test running of helloWorld.py script from the cmd prompt.

- 5) Then install the following packages at the cmd prompt on following path :
C:\Program Files\Python36>

like this:

```
*C:\Program Files\Python36>* pip install cx_Oracle
```

```
*C:\Program Files\Python36>* pip install MySql-connector-python
```

Kind Note : Many a times due to firewall restrictions and Windows 10 OS configuration Python does not connect with the DATABASE. Such errors, cannot be solved in a generic way. It could be handled by your team on case to case basis. But even that is difficult remotely. In such cases the learner can understand the session completely and do the practical later using the Recording.