



Faculty of Technology and Engineering

U & P U. Patel Department of Computer Engineering

Date: 01 / 12 / 2021

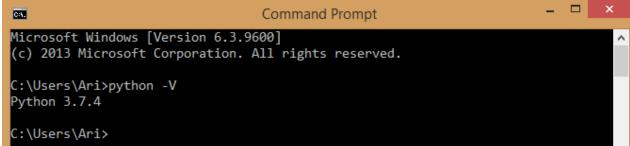
Practical List

Academic Year	:	2021-22	Semester	:	4
Course code	:	CE259	Course name	:	Programming in Python

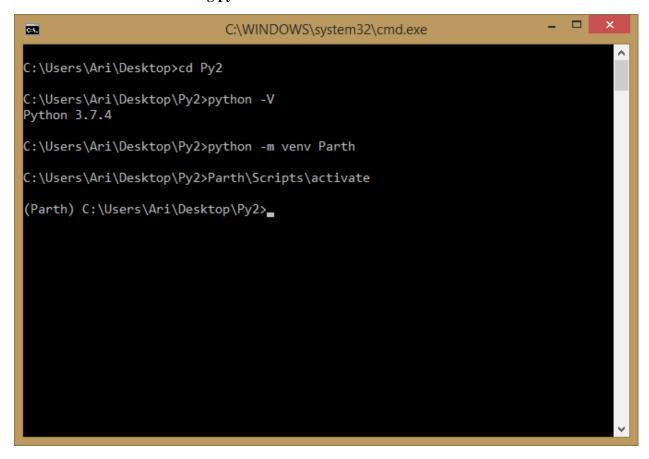
Note: Practical List is for Students. We need to cover concept require to implement respective practical

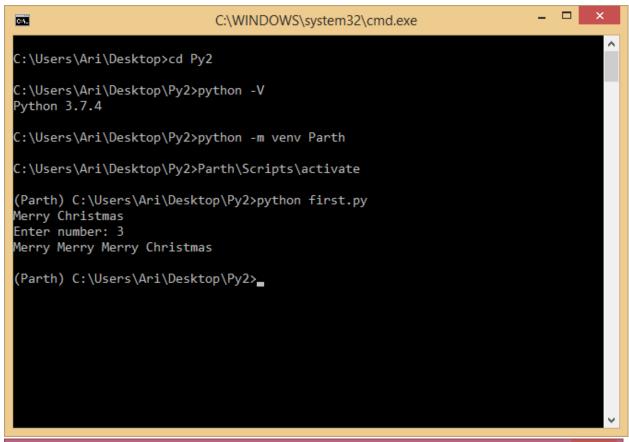
Sr.	Aim		
No.			
1.	Installation & Configuration of Python(3.6 or 3.7) and Virtual Environment. Along with		
	its all major editors, IDLE, Pycharm, Anaconda, Jupyter, Interpreter etc.		
	Note: Do not install the latest version of python due to some backward compatibility issues.		
	Please take screenshots of each point mentioned in the assignment and upload .pdf file.		

1. Installation & Configuration Python(3.6 or 3.7)



2. Create virtual Environment using python -m command



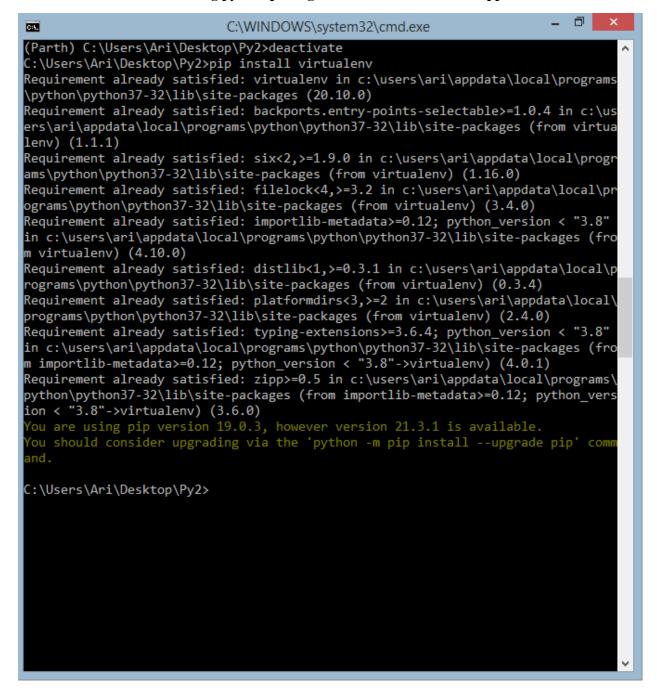


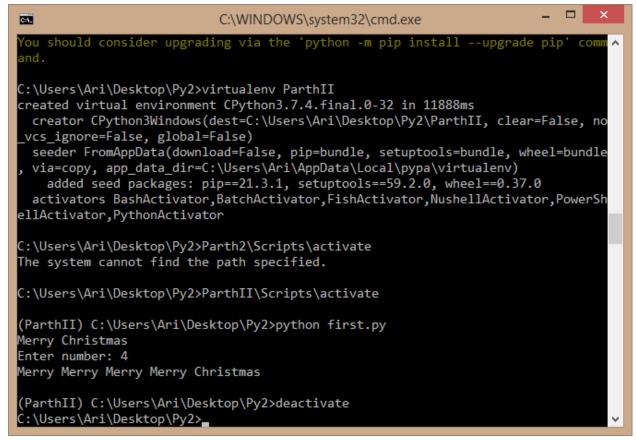
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File Edit Format Run Options Window Help

x='Merry '
y="Christmas"
print(x + y)
n=int(input('Enter number: '))
print(x*n + y)

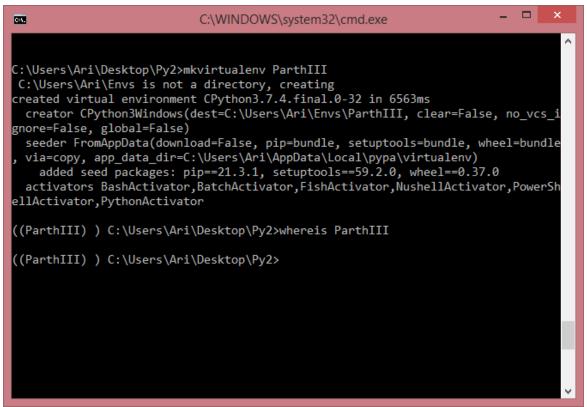
Ln:5 Col: 14
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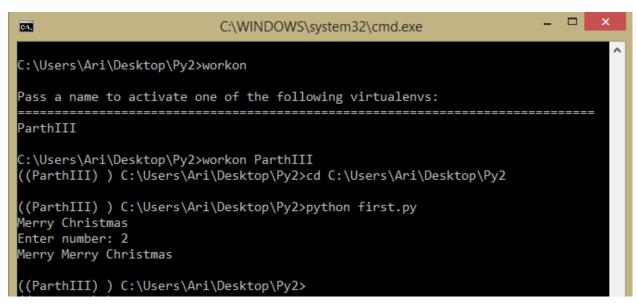
3. Create virtual Environment using python package virtualenv and virtualwrapper.



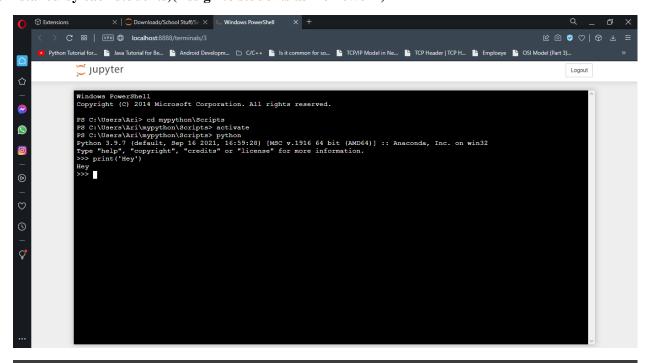


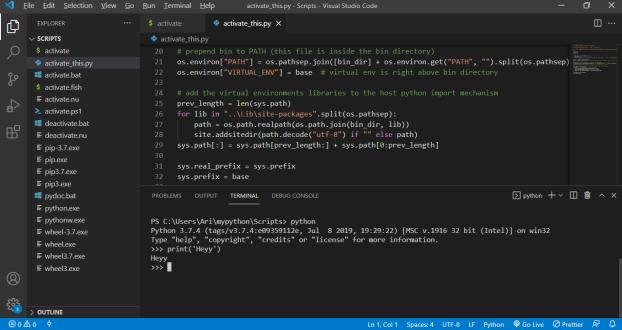
C:4. C:\WINDOWS\system32\cmd.exe (ParthII) C:\Users\Ari\Desktop\Py2>deactivate C:\Users\Ari\Desktop\Py2>pip install virtualenvwrapper-win Collecting virtualenvwrapper-win Downloading https://files.pythonhosted.org/packages/d3/07/7599a80e13e58e0bb561 ed03c55a2a84872b64ae50cbc40d9bf7ebabbdd9/virtualenvwrapper-win-1.2.6.tar.gz Requirement already satisfied: virtualenv in c:\users\ari\appdata\local\programs \python\python37-32\lib\site-packages (from virtualenvwrapper-win) (20.10.0) Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\ari\appdata\local\p rograms\python\python37-32\lib\site-packages (from virtualenv->virtualenvwrapper -win) (0.3.4) Requirement already satisfied: backports.entry-points-selectable>=1.0.4 in c:\us ers\ari\appdata\local\programs\python\python37-32\lib\site-packages (from virtua lenv->virtualenvwrapper-win) (1.1.1) Requirement already satisfied: six<2,>=1.9.0 in c:\users\ari\appdata\local\progr ams\python\python37-32\lib\site-packages (from virtualenv->virtualenvwrapper-win) (1.16.0) Requirement already satisfied: importlib-metadata>=0.12; python_version < "3.8" in c:\users\ari\appdata\local\programs\python\python37-32\lib\site-packages (fro m virtualenv->virtualenvwrapper-win) (4.10.0) Requirement already satisfied: filelock<4,>=3.2 in c:\users\ari\appdata\local\pr ograms\python\python37-32\lib\site-packages (from virtualenv->virtualenvwrappervin) (3.4.0) Requirement already satisfied: platformdirs<3,>=2 in c:\users\ari\appdata\local\ programs\python\python37-32\lib\site-packages (from virtualenv->virtualenvwrappe r-win) (2.4.0) Requirement already satisfied: zipp>=0.5 in c:\users\ari\appdata\local\programs\ python\python37-32\lib\site-packages (from importlib-metadata>=0.12; python vers ion < "3.8"->virtualenv->virtualenvwrapper-win) (3.6.0) Requirement already satisfied: typing-extensions>=3.6.4; python_version < "3.8" in c:\users\ari\appdata\local\programs\python\python37-32\lib\site-packages (fro m importlib-metadata>=0.12; python version < "3.8"->virtualenv->virtualenvwrappe r-win) (4.0.1) Installing collected packages: virtualenvwrapper-win Running setup.py install for virtualenvwrapper-win ... done Successfully installed virtualenvwrapper-win-1.2.6 You are using pip version 19.0.3, however version 21.3.1 is available. You should consider upgrading via the 'python -m pip install --upgrade pip' comm



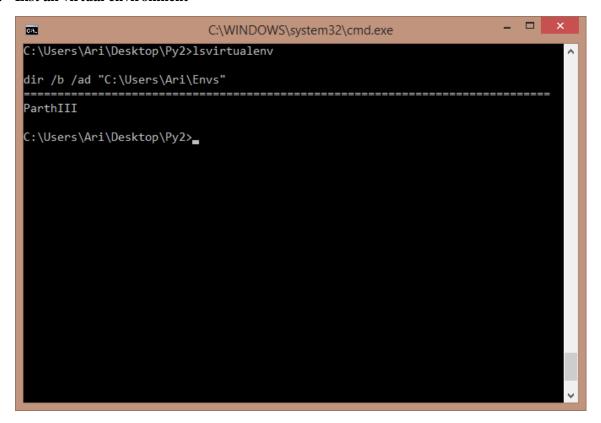


4. Create virtual environment in Ananconda, PyCharm IDE and VS Code IDE. (All three IDE have to be installed by each students)(Assign to students as Homework)





5. List all virtual environment



6. Switch between virtual environment using activate and deactivate option.

Demonstrated in Steps 2 & 3.