

Artificial Intelligence (Machine Learning & Deep Learning)

[Course]

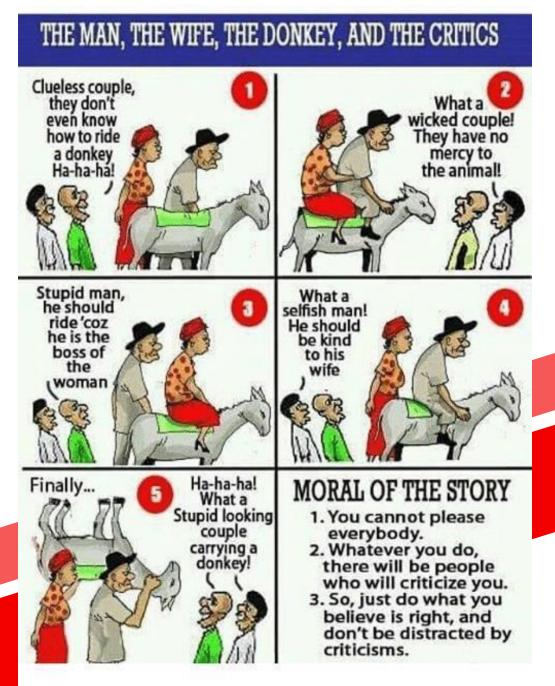
Week 1 - Day 5

[See examples / code in GitHub code repository]

It is not about Theory, it is 20% Theory and 80% Practical – Technical/Development/Programming [Mostly Python based]

## Motivation for exceling.....

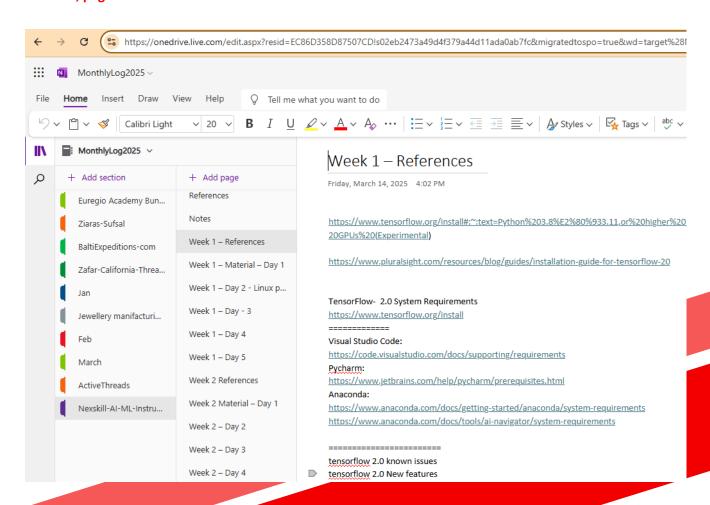
- ☐ Success is not round the corner, It is end of the road of struggle, efforts and constant hard work. Normally, success, take longer time, then we except. A true success, can take a long struggle, may be 5-7 years...in business or professional orientation. Just be consistent and continuous efforts needed. Stay Strong. Stay Bold.
- ☐ Google: Entrepreneurship, because economic unrest, AI revolution, Everyone will be "Entrepreneur" or "Intrapreneur" or "Solopreneur". Let's prepare for it.
- ☐ People talk, even without valid reason so don't bother with others



Remember?

## Motivation for exceling - Part 2.....

- ☐ Instead of being "Idealist" or "Perfectionist", better to be "Progressive" means small baby steps, daily and daily, that collectively become a big huge success. Just remember "small baby steps, daily and daily"
- ☐ Rational about AI, avoid nonsense critics, realization, positive use, productivity, being in control, Being in good control. That's only important
- Good sleep, is source of productivity, high results. There is no problem in consulting for it.
- ☐ Thoughts Management Ideas processing Focus and refine and refine OneNote How create ac , Journals, Sections, pages



#### Linux commands

Don't have a Linux machine prepared. But there is a word round – semi-partial working. There are some linux commands – simulator. Few examples here:

#### Reference:

https://itsfoss.com/online-linux-terminals/

Try: <a href="https://copy.sh/v86/?profile=linux26&ref=itsfoss.com">https://copy.sh/v86/?profile=linux26&ref=itsfoss.com</a>

#### How to get help of command

https://www.linuxfordevices.com/tutorials/linux/help-command-in-linux

#### **References:**

https://www.hostinger.com/tutorials/linux-commands

https://www.dreamhost.com/blog/linux-commands/

https://phoenixnap.com/kb/wp-

content/uploads/2022/11/linuxCommandsAllUsersShouldKnow.pdf



#### Important commands



# Top 50 Linux Commands you must know

pwd
 cd

1. Is

4. mkdir

mv
 cp

7. rm

8. touch

9. In

10. clear

11. cat

12. echo

**13. less** 

14. man

15. uname

16. whoami

17. tar

18. grep

19. head

20. tail

21. diff

22. cmp

23. comm

24. sort

25. export

26. zip

27. unzip

28. ssh

29. service

20. ps

31. kill and killall

32. df

33. mount

34. chmod

35. chown

36. ifconfig

37. traceroute

**38. wget** 

39. ufw

40. iptables

41. apt, pacman, yum, rpm

42. sudo

43. cal

44. alias

45. dd

46. wheris

47. whatis

48. top

49. useradd

50. passwd



# Whole Week - Recap of whole week

Title	Notes File
Day 1	Artificial Intelligence (Machine Learning & Dee p Learning)-Week1-Day1-Notes_Rev4.pdf
Day 2	Artificial Intelligence (Machine Learning & Dee p Learning)-Week1-Day2-Notes_Rev1.pdf
Day 3	Artificial Intelligence (Machine Learning & Dee p Learning)-Week1-Day3-Notes_Rev1.pdf
Day 4	Artificial Intelligence (Machine Learning & Dee p Learning)-Week1-Day4-Notes_Rev1.pdf
Day 5	Artificial Intelligence (Machine Learning & Dee p Learning)-Week1-Day5-Notes_Rev1.pdf



## **Assignment - Weekend**

### **String Manipulation**

- 1. Write a program to create a new string made of an input string's first, middle, and last character.
- 2. Write a program to count occurrences of all characters within a string Given.
- 3. Reverse a given string
- 4. Split a string on hyphens
- 5. Remove special symbols / punctuation from a string



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### **Assignment - Weekend**

## **List Manipulation**

- 1. Reverse a list in Python
- 2. Turn every item of a list into its square
- 3. Remove empty strings from the list of strings
- 4. Add new item to list after a specified item
- 5. Replace list's item with new value if found



# **Assignment - Weekend Dictionary Manipulation**

- 1. Check if a value exists in a dictionary
- 2. Get the key of a minimum value from the following dictionary
- 3. Delete a list of keys from a dictionary

### **Tuple Manipulation**

- 1. Reverse the tuple
- 2. Access value 20 from the tuple
- 3. Swap two tuples in Python



# Assignment - Weekend Loop Manipulation

- 1. Print first 10 natural numbers using while
- 2. Take Input from user, and print even number till that input number
- 3. Take Input from user, and print odd number till that input number
- 4. Take Input from user, and print prime number till that input number
- 5 Print multiplication table of a given number





### Thank you - for listening and participating

- **□**Questions / Queries
- **□**Suggestions/Recommendation
- □Ideas.....?

Shahzad Sarwar Cognitive Convergence

https://cognitiveconvergence.com

shahzad@cognitiveconvergence.com

voice: +1 4242530744 (USA) +92-3004762901 (Pak)