DAY 2 PYTHON BASICS FOR BEGINNER
La Asimple introduction to Python Prog.
-> INTRODUCTION TO PROGRAMMING
Step1: Understand the Problem. 1st step in solving any psm.
algorithmic or other wise, is to understand the poin thoroughly
Step 2: Design the Algorithm
step 3: Implement the Alga
step 4! Test the Algo.
skp. 5: Analyze the Algor
Skp 2: Design the Algorithm Skp 3: Implement the Algorithm Skp 3: Implement the Algorithm Skp 5: Analyze the Algorithm Developing an algorithm How to create an Algorithm Analyze the plan L. Analyze the plan L. Design the algorithm
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How to create an Algo. L. Analyze the pbm
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Implement the algo.
Lo Tost the algo - (T.C. or S.C.) Lo optimize the algo - (T.C. or S.C.)
La optimize the algo - (T.C. or S.C.) La Document the algo (commont).
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→ FlowChart AND PSEUDOCODE
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· Trace the path operation - flow of
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Input / Output - (input or output of - Rhomboid data parallelogram Process - operation that manipulates data. Decision making - Conditional
Process - operation that manipulates data Li Rictangle Decision making - Conditional operation
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Decision making - Conditional
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Why Python?
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Imput / Output - (input or output of - Rhomboid data por alle logning) Process - operation that manipulates data. Li Rictangle
Process - operation that manipulates
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Decision making - Conditional Operation
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INTRODUCTION TO PYTHON &
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- What can pythone do ?.
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Why Python?
L' Platform friendly (Winder, Mec, Linux, Keopber, Pi, ek)
Libranes Lmoduls

- Interactive mode and script mode to be de Script Mode - write your code in a py file and run is Example 1 print(1) >>> 1 your code into Pythor into pretodecty

Example 1 print(1) >>> 1 your put

print(h) > brint (r) Example script mode Interactive moder read & execute statements in a simpl typing commands & expressions 1. can save and odit at the prompt cant sare bedit the code expt. with the codos or flowers clear a bord code can't save the statement we can save the statements for further for further use and we use and we me not need to rety pe have to retype all the statements all the statement to re-ron thom to rerun tham see results immediately cont see the output immediate - What is Tython! -(med) Indentation in Pythone primmer gory or logo? · A block is a group of statements in a program or script, · Python do not use broces ([3]) to use Indicate block of code for class and function det or flow ctrl. · In python, Blocks of code are denoted by line indent. · Python pros. get structured thru. indintation, i.e. code blocks are difined by their indulation of a to the I used alongsid softwar to except moreller - Mottom friendly (winder Mer, line, Marphin P. 06) ELICALLY RYM C - simple syntax to log la-Aluland amardil a

Comments - Non-executable statements in a prog. # by the programmer as well as other users TOKENS IN PYTHON: -> smallest individual unit

L All stakment & instructions in Keywords [identifiers a proj. are built with tolung. Strings TOKENS Constant VARIABLES - containers for stormy data operators symbols Creating Variable: No comment for declaring a variable. directly assing a vo lue to il. LITERALS in python Lixed values - stored in sorce E.g. . x=5
code V>"J y = "John" print (4) - 5
print (y) - John" of pros. and do not change during L'osed to represent data that should not be aftered by users, such as softwar a Operation parameter. DAME code # String Likrals print (9) print (b) a= "Hello" buyt (c) b=" stodnb'
e=" This is aborning pletforn" Python Syntax Basics Indintation defines codo blos First Python Program L No semi colons or brech need cogo: bung ("Ityllo, Malgí") L# for single line commo · print () - display output on scru-III III for multiture commo Variables & Data Types Operators - store data in memory using variable · Arrithmete: +,-,*,/, /. - common typs: int, flood, str, buch · companion: ==, != ,>, 5 - E.j. name='Alice', gr. 25 · Logical & and, or, not

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