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6 # LOOPS. IN PYTHON :- For While and Nested Loops a block of code multiple times, without writing it repeatedly. The block of code is executed based on a certain condition. Loops are the control structures of a program. 6 => While Loop in Python & A while loop is used to repeatedly until a given cond' is satisfied. When the cond' becomes false, the line immediately after the loop in the program is executed. while expression: Python uses identation as its Statement (3) ... Method of grouping statements & -> Using else statement with While Loop in Python: The else clause is only executed when your while condition becomes false. If you break out of the loop, or if an exception is raised, it won't be executed. while condition: # execute these statements # execute these statements

Day 6 Date: 10/07/24 Subject Python For Loop in Python: For Joops are used for sequential traversal, like traversing a list, string or array. In Python, there is "for in" loop which: for iterator van in sequence: statements (5) to iterate over a range and iterator It can be used for i in range (0,n): brint (i) We can also combine else statement with for loop like in while loop But as there is no condition in for loop based on which the execution will terminate so the else block will be executed immediately after for block finishes execution. N = .2 O The several Reservoir for i'in range (0.n): print (i) Else Block print (" Else Block")

Day 6. Date: 10 / 07/ 24 suspece Python 6 Neited Loops in Python: Python puogramming dang.
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invide another doop which is called Nested Loop. --> Nested Loops Syntan: for iterator-var in sequence: for iterator var in sequence: statement is) statements (s) The syntax for a nested while loop statement: while expression: while expression: statement (s) statement (S) # Loop Control Statements: - Loop control statements change sequence when execution leaves a scope, all automatic objects that were created in that scope are destroyed.

Python control statements: Continue Statement: -> The continue statement in Python returns the control

to the beginning of the loop.

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