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	Chapter 9 - File I/O
	The transform Access memory is volatile and all its contents are lost once a program ferminates. In order to persist the data forever, we use files
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-	A tile is data stored in a storage device. A rython
	program can talk to the tile by reading content
	A file is data stored in a storage device A Python program can talk to the file by reading content from it and writing content to it
	@ Gmp. Program Written in Python Read FILE
	Read Read
	Programmer RAM = Volatile
	Programmer RAM = Volatile HDD = Non Volatile
	Types of files There are 2 types of files: Text files (. txt, c etc) Binary files (.) bg, dat, etc)
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>	Text files (txt, c etc)
7	Binary files () bg, dat, etc)
	Python has a lot of functions for reading, updating and deleting files
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	and deleting files
	Opening a file Python has an open() function for opening files. It takes 2 parameters: filename and made.
-	rython has an open () function for opening files. It
	Takes 2 parameters : filename and mode.
	No. (4 14:4 1 1" " " ")
	Open ("this txt", "r")
11	mode of opening (read mode)
	+ilename
	open is a built-in function

Reading a file in python f = oben (" this txt", "r") -> oben the file in rule

text = f. read() -> Read its contents

print (text) -> Print its contents

f. close() -> Close the file We can also specify the number of characters in read() function: f. read(2)

Reads first 2 characters Other methods to read the file
We can also use fireadline() function to read
on fill line at a time fireadline () -> Reads one line from the file Modes of opening a file V → open for reading
W → open for writing a → open for appending + → open for updating 're' will open for read in binary mode 're' will open for read in text mode Writing files in Python

In order to write to a file, we first open it in write or append mode after which, we use the python's f. write() method to write to the file!

f = open ("this txt", "w")

f. write ("This is nice") → (an be called multiple times

f. Close() With statement The best way to open and close the file automatically is the with statement with open ("this txt") as f:

f. read ()

Don't need to write f. clase()

as it is done automatically. while a program to semerate multiplication tell from 2 to 20 who write it to the di A file contains a weed "Rocky" multiple trans it to a smin of margon a still wite as program to fine out the