07 Nov 24

Typing - neview | nevision

— when boking of a fext and typing,

nead each character/alphabet out had

before typing and then type it.

(using our 'night channel' to make

it faster - by saying it loudly)

HW: (1) Practice typing for 30 minutes and Try to type at atleast 10 wpm

HD: (1) Update excel with all the previous
week 5 honeworks
(2) Take a photo of Money Currency
picture q upload
Hardware: All the technical devices
that we use are called hardware —
these are physical parts like our
body parts.
Eg: Mobiles, tablets, PC (personal computers)
TV (tele vision; tele = distance, vision = seeing);

Keyboard, mouse, monitors (Screen
mini PC (this is the main part
where the software is), speakers, can
Software: Our brain is a physical part
'Software' is like the mental activity
d'the computer. It is called 'virtual'
(not real physical) activity. All the software
interactions over the internet, video calls,
Software: Our brain is a physical part of the body but all the thinking inside the brain is 'mental' activity. 'Software' is like the mental activity of the computer. It is called 'virtual' (not neal physical) activity. All the software

For PCs - hardware includes

messaging, AI etc. are called virtual world' (It's not physical; All of these are happening virtually mentally). Everything we see on the screen is softwere Operating systems, applications Software types: (1) Operating system: The main software on the device that turns on when we turn on the device. Os controls all the thinking of the device. Eg: OS types for PC - windows, mac OS, Linux

On our school PC, we are using
Windows OS.
-> For mobiles/tablets, the main os
types are Android, iphone OS
(2) Applications: Applications are softwar
like when we are born, we can already
see objects has they book, we can
breathe, we can hear. These are
like the OS. But when we learn new
nental skills av activities like mathematics,

languages efc., those are like application	()
languages etc., those are like application Applications can be different	
or same across different OS types.	
- 9 Eg: Windows apps - Internet browse	'\{ !
Pycharm, File explorer (to check	
the files on the PC)	
Android apps - calculator, Watsapp, games etc.	
way sapp, james ege.	

- Files and file types: A file stores some data that we can open and use whenever we want. Directornes or tolders can store files and other directories like a tree. Different applications use différent file types. -> Filenames end with file type of file extension Eg: Python tiles one nemed like division. Py file name 4 file type/extension

Text files: To type simple text (without different styles for text/font, without figures (images, tables). Extension: 'etxt Notepad Windows app: Android app: Jotat, Browser Word files: To type text with different styles, with images, tables etc.

Extension: ·doc, ·docx, ·odf, ·gdoc

Android/Dindovs apps: Microsoft word, Librerffice

Writer, Google docs (Browser)

Pdf tiles: They are also like word
tiles with text, images, tables et 1. but
cannot be edited. They are like a
printed textbook - you can write on
top of it or comment but not edit
the text.
Extension: pdf
Windows apps: Foxit reader, Browsey
Adobe acrobat
Android: Google donve, Adobe
acrobat

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Tables: To store that and perform calculating with rows (horizontal - 62070) and columns (vertical - Devz, 778) Ext: .x/s, .x/sx, .odf, .csv Android Windows: Microsoft office excely calc, Google sheets Libreoffice · CSV means comma separated file you open it in notepa tept file, it looks like
name, place, kind
It you open in google doc, it looks

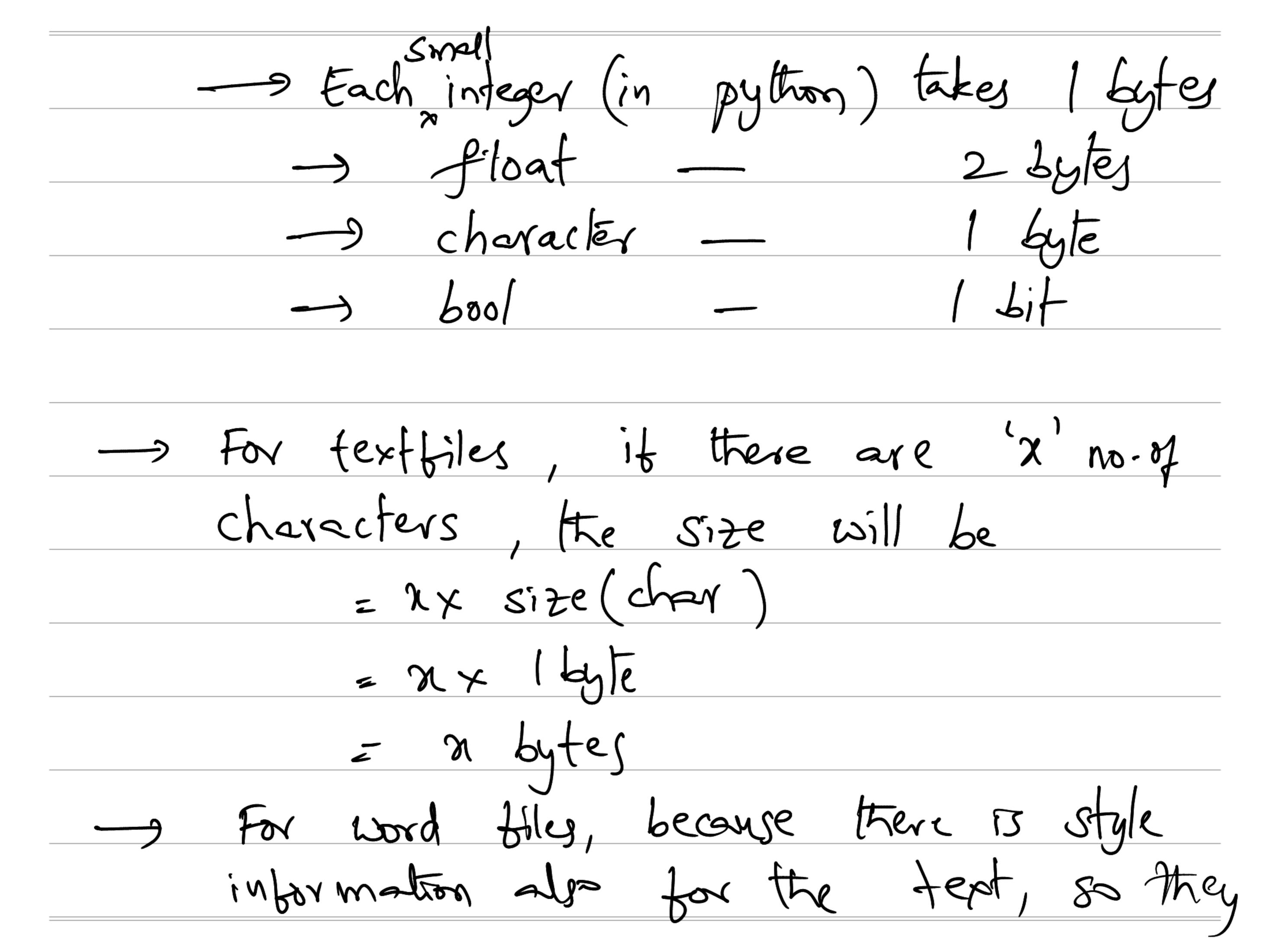
Video files: Store video audio
Ext: ·mp4, ·mku, ·avi, ·mov,
· wmv, ·flv, · webm
Android Landons appr: VLC, Browsers
Android Londons appr: VLC, Browsers To create videos: Camera, OpenBroadcast Studio (OBS)
Audio tiles: Only andio (no video)
Ext: -mp3, .www, .aac
Android/windouse appli 1/1/6 Rowsers
andio planers To create andio: Recorder, Smarfandio recorder
To creete audio: Recorder, Smartandio
' Vecordey

File permissions: You can share a file Holder with others in Goode drive or on the computer and tell who can great, comment, write) edit the -> With read permissions, you can read the file/folderbut not comment/edit/delete -> with comment permission, you can read, comment but not edit/delete -) hit write permissions, you can read, comment, edit/delete the text.

For Vivata Home, School google voive tolder, student has comment permissions - 50 you can't a cidentally delete anything. For student's gorgle derive - they have edit permissions. HW: (1) Create a file of each file type that we studied about. Try to edit the tile also. (2) Create these files on table f and PC. And then Copy them to your google drive homeworks

08 Not File Size: File directory sizes are measured in 6its (b), bytes (B), kilobytes (KB=1000B), megabytes (IMB = 10^3 KB = 10^6 B), gigabytes (IGB = 10^8 MB = 10^6 KB = 10^9 B), terabytes (ITB = 10^3 GB = 10^6 MB = 10^9 KB = 10^1 B). A bit is a boolean value (can be true('1')or
folse ('0') Computer understands only boolean values.

They are like light switches—Can be on'
or off. There are lots of small switches in the computer.



will be bigger than 'x' bytes for text with 'x' number of characters. -) tables - for 'CSV' size will be like for text files (with commes) abc, xyt, pq/Y, 723 Size = 15 bytes (For 15 char with commer)

-> Pdf is about same size as word -) Video file size is about 100 MB per minute a violeo - Andio file site is about IMB per minute à andro