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Sl No	Date 	Lesson name and Topic	CW	HW
1.	17 June 2025	File Handling	<p>EduCart Date: _____ Topic: File Handling Date: 16 June 2025</p> <p><u>Data File</u> Data → 2 kg → store → contains ↓ data → store → File.</p> <p>① The data files are the files that store data pertaining to a specific application. File may be of 2 types.</p> <p>② Text File ③ Binary File</p> <p><u>Text File</u> → A text file stores information in the form of ASCII or Unicode character.</p> <p><u>Binary File</u> → A binary file stores information in the form of 0s and 1s.</p> <p>→ In text files, specific character is stored to represent the value. e.g., each value a tab or a comma after every value. I, love, India. → When a tab character is used to separate values, then the type of file is called as <u>tab</u> file (Tab separated values). → extension .txt or .csv (comma separated values).</p> <p><u>Text File</u> → In text file, each line of text is terminated (delimited) with a specific character known as <u>EOL</u> (end of line) character. (Line ending sign) → In Python, by default EOL character is newline character (<u>\n</u>) or carriage return (<u>\r</u>). So the text can be of two types -</p> <p>④ <u>Regular Text File</u> → These are the text files which store the text in the same form as typed. → Here, newline character only</p> <p><u>Example</u> Date: _____ I am a student. → These files are called <u>comma separated values (CSV)</u> or <u>extension .csv</u>. e.g., Regular text file. I am Ram. → <u>Text File</u>. I am → value tab → <u>CSV File</u>. I, am, value. → You can also use any other character as a delimiter (e.g., pipe character or @).</p> <p><u>Binary File</u> → A binary file stores the information in the form of a stream of bytes (0s and 1s). → Data stored in memory in 0s and 1s. → In binary file there is no delimiter (means a particular line which ends the line). → Also, no translation occurs in binary file. → Binary files are faster and easier for a program to read & write than text file. → This is the best way to store information.</p>	<p>1. What is the difference between "w" and "a" modes?</p> <p>2. What is the significance of a file-object?</p> <p>3. What are text files and binary files?</p>

[illegible]