

## File handling

### 1. Create a Shopping List:

Create a program that allows users to enter items for a shopping list and write them to a text file named "shopping\_list.txt".

Each item should be written on a new line in the text file.

### 2. Read and Display File Contents:

Create a program that opens a text file (e.g., "shopping\_list.txt") and reads its contents line by line.

Print each line of the list

### 3. Add to a file

Open a file...eg. Shopping\_list.txt. Ask a user to enter more items (use a loop) and append the new items to the text file. Check the items have been added – you can do this by just opening the text file.

### 4. Data Analysis from Text Files:

Create a text file with 3 students and 4 subject grades. Eg. Bob,56,67,85,78  
The subjects are History, Maths, Science, English

Create a program that reads in the text file containing student grades Store the contents of the text file in a 2D list

Calculate the average score for each student and display this.

Display the data in the 2D list as a formatted table using layout.

Name	History	Maths	Science	English
Bob	45	67	89	32
Alice	67	43	81	23
Sarah	87	66	57	78

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The average for Bob is 206.4
The average for Alice is 194.6
The average for Sarah is 224.6
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