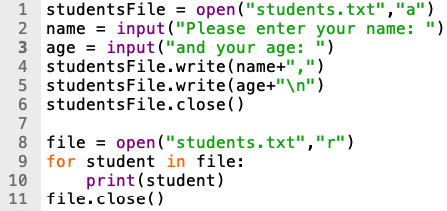
**Student Booster: File write Programming Activity**

Look at the code that has been shared with you – [Code Link](https://trinket.io/python3/be274f5480)



**Predict**

In the box predict what you think the code will do when run

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| --- |
| It will ask the user for their name and age. It will then write them to a file. It then opens the fil again and prints them out. |

**Run**

Now run the code, what did it do?

|  |
| --- |
| It will ask the user for their name and age. It will then write them to a file. It then opens the fil again and prints them out. |

**Investigate**

Look through the code and investigate the answer to these questions

1. Run the program. Take a look at the text file, now change Line from “a” to “w”. run the program 3 times. Look at the text file what happens.

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| --- |
| It only stores the last entered student details. All previous are lost |

2. Comment out Line 6, run the program. what is different and why?

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| Files are only written to secondary storage when they are closed. By not closing it gets lost |

**Modify**

Modify this program to give the user a choice of either creating a new list or adding to the existing list

**Make**

Taking what you have learnt so far tackle this new problem

1. Create a program where a user can make a shopping list which they can update to add new items to their list.
2. At the beginning of the program give them the option to create a new list or add to their existing list.
3. Challenge: Give them a chance to loop adding to the list until you type in "stop”.
4. Mega Challenge: It would be good if you could give them the option to create different shopping lists by asking them for the file name.

Link to a possible solution [here](https://trinket.io/library/trinkets/7722492467)