

Introduction to Files Solutions

- Explain some of the advantages of using files
 - Files can be used to provide physical storage of our program's data when the program is not running, or even when the computer is switched off
 - Files can store more data than our program can hold in its memory at any one time
 - Files can be organized into a structure which has a logical structure and efficiently locates our data

- Explain what is meant by "opening" a file
 - Opening a file means preparing it for access
 - This is done by calling a function in the operating system's API
 - The operating system will allocate the resources it needs to manage our access to the file

- Explain what is meant by "closing" a file
 - Closing a file means finalizing our operations on it
 - This is done by calling a function in the operating system's API
 - The operating system will release the resources it is using to manage our access to the file