

My code uses classes which are then used to build other pieces of code without repeating. Classes are defined to hold methods and some raw data if required in my project SimpleDate code has SimpleDate class which has private integers defined but those can be used when calling code since code and private data are in the same file. This will increase the security of the code written since it cannot be directly changed but is still used when I call it in a different file. Another concept that my code uses Object Oriented Programming is Encapsulation. Encapsulation in my code is used to hide details from the user when using the code such as my DateApp\_input method which uses encapsulation. The user does not have to know how the format of the date entered gets converted into SimpleDate this hides details and complexity from the user to make the program look cleaner. My program also calls methods from other files, therefore, all the files are communicating to achieve one big task which is to use a text file to see which day occurs the most frequently but the user does not have to know this.