

Problem 1 : File copy – Text book: Programming project 2, chapter 14, page 685

All operating systems have commands that will create a copy of a file. In this exercise, you are to create a program that will make an *exact* copy of a file. Provide the following capabilities:

- Copy only files that end with a “.txt” extension. Generate an appropriate error if something else is specified.
- Using the **os** module, check whether the source file exists.
- Using the **os** module, check whether the destination file exists. If so, ask the user if he or she wants to overwrite it.
- If no paths are specified, assume that the file is in the current folder (directory). Otherwise, use the **os** module to separate the path from the file name. If a path is specified for the destination file, check whether the path exists – otherwise, generate an error.