Write a python script that:

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|---|---|
| Reads all the file names from a directory given to command line (sent using the **argv** array by the user) | **5 pts** |
| Find the files with the longest and respectively the shortest name | **6 pts** |
| Replace all the tabs (`\t`) in the files with spaces, as such:<br>- Files that have the length of the name **smaller than (longest_name + shortest_name) / 2** each tab will be replaced with **1 space**<br>- Files that have the length **bigger than (longest_name + shortest_name) / 2** each tab will be replaced with 3 spaces (6 pts) | **6 pts each (total of 12 pts)** |
| The user **can** give an argument to the command line ( -b ) that can backup the existing files (when you backup the file, you will add the extension `.bak`) | **10 pts** |
| You must do error handling for all cases<br><br>**NOTE:** handling only with `catch Exception as e` will be given half points | **5 pts** |
| You must process the directories recursivelly | **5 pts** |
| After all the logic is done, you must show (print) some statistics (how many files were processed, the extensions of the files, total size of files) | **7 pts** |

**Note:**
- the code should run correctly and have a main function called (2 pts)
- if the code is written in C style, you only get 75% of the maximum points per item!