Assembler Project – Error Handling

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1. **Error 1 – Sending a non-existent file name to the assembler:**

```
user@ubuntu:~/Desktop/assembler$ ./assembler nonExistantFile
ERROR: AN ERROR OCCURED WHILE TRYING TO OPEN THE INPUT FILE: nonExistantFile.
```

2. **Error 2 – Not sending any file at all to the assembler:**

```
user@ubuntu:~/Desktop/assembler$ ./assembler
ERROR: NO FILES HAVE BEEN ENTERED.
```

3. **Error 3 – Running a file with all error types except for entry and extern declarations that aren't used (file name: ErrorExamples.as):**

```
user@ubuntu:~/Desktop/assembler3$ ./assembler ErrorExamples
NOW PROCESSING FILE : ErrorExamples.AS
        ERROR: A SYNTAX ERROR HAS BEEN DETECTED IN LINE #4.
        ERROR: AN ILLEGAL NAME HAS BEEN DETECTED IN LINE #7.
        ERROR: LINE #10 EXCEEDS THE MAXIMUM LINE LENGTH OF 80 CHARACTERS.
        ERROR: PARAMETER 1 IS NOT A LEGAL WORD IN LINE #17
        ERROR: A COMMA IS EXPECTED BETWEEN PARAMETERS IN LINE #23
        ERROR: DESTINATION IS ILLEGAL IN LINE #26
        ERROR: DESTINATION IS ILLEGAL IN LINE #29
        ERROR: EXPECTED PARENTHESIS IN LINE #33
        WARNING: THERE SHOULDN'T BE ANYTHING AFTER THE COMMAND IN LINE #36
        ERROR: DESTINATION IS ILLEGAL IN LINE #39
```

4. **Error 4 – Running a file with unused entry and extern declarations (file name: EntryExternErrors.as):**

```
user@ubuntu:~/Desktop/assembler3$ ./assembler EntryExternErrors
NOW PROCESSING FILE : EntryExternErrors.AS
        ERROR: AN ENTRY WAS DECLARED BUT NEVER DEFINED: 'UnusedEntry'
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        ERROR: AN ENTRY WAS DECLARED BUT NEVER DEFINED: 'UnusedEntry'
        WARNING: UnusedExtern WAS DEFINED AS AN EXTERNAL BUT NEVER USED
```