

PHI 218
Logic for Computer Programmers

Programmer's Abyss

1. Did I open all my files?
2. Is the incoming data in the appropriate sequence?
3. Did I initialize my counters, accumulators and switches?
4. Do I check for end of file? At the appropriate time? Of the appropriate files?
5. Do I thoroughly process the first record in a file?
6. Do I thoroughly process the last record or the Nth record in a file?
7. Do I process the last record before a control break thoroughly? And only one time?
8. Do I process the first record of my new control break thoroughly? And only one time?
9. Do my loops have well defined exits? Will my exit situation ALWAYS occur at some point during my loop?
10. Am I setting my loop exit switch or accumulating my loop exit counter in the appropriate place?
11. Do my calculations always result in an arithmetically defined answer?
12. For report programs, at the end of the first page, will I print report titles again, then continue with the report?
13. Do I print more than one line per page on a report?
14. If my program ABENDS (runs unsuccessfully), do I tidy up after myself?
15. Did I close all my files?