Minimalist Process Form Instructions

Purpose   This form is for recording data from the Minimalist Process.

General   Time is recorded in minutes, using a 24-hr clock. Do not insert a colon. Complete the form in your neatest handwriting. Do not maintain the form electronically unless you obtain special permission from the instructor. Calculations are recorded with one decimal point.

Header   Enter your name and the program or assignment name. Number each program sequentially, starting at one. Enter the date you begin work on the program.

Start   Enter the time when you start working on the program. Example: 0743

Stop   Enter the time when you stop working. This may be because you are taking a break or because you have finished the program. Begin a new work period when you resume working.

Delta Time   Enter the clock time you spent in that work period. Subtract start time from stop time. Record only minutes, not hours and minutes.
Example calculation: 0855 - 0743 = 1 hr 12 min, so record 72.

Total Time   When you are finished development of the program, calculate the sum of the delta times for all the work periods.

Compile Errors: Enter the number of compile errors from the BlueJ Compile Log Summary

Total Compiles: Enter the total compiles from the BlueJ Compile Log Summary.

Lines of Code: Enter the Lines of Code computed by the Lines of Code Counter.

LOC/Hour: Calculate LOC/hr as (Lines of Code / Total Time) * 60.
Example: 30 LOC / 80 min * 60 = 22.5

Defects/KLOC Compile: Calculate Defects/KLOC as 1000* Compile Errors / Lines of Code.
Example: 1000 * 5 errors / 30 LOC = 166.6

Defects/KLOC Total: Calculate Defects/KLOC as 1000* Total Compiles / Lines of Code.
Example: 1000 * 10 total compiles / 30 LOC = 333.3

Example
Minimalist Process Form

Name:__*Fred*_____   Program Name: ___*GCD*_____

Date:___*4/5/10*_____   Program No: ___*L1*_____

Work Period	1	2	3	4	5	6
Start Time	*1310*	*1335*				
Stop Time	*1320*	*1355*				
Delta	*10*	*20*				

Total Time: __*30*____ minutes

(From Compile Log Summary)

Compile Errors: __*3*___

Total Compiles: __*5*___

(From Lines of Code Counter)

Lines of Code: ___*15*____

Summary

LOC/Hour:__*30*_____

Compile Defects/KLOC: __*200*____

Total Defects/KLOC: __*333.3*__