PSP 1 Exercise
Completing the Project Summary Form

Objectives

  - To be able to complete the Project Summary Form.

Instructions

1. Attached is a partially completed PSP0 Summary Report for project P3. Finish the calculations and fill in the empty blanks on this form.

2. Using the now completed PSP0 Summary Report, complete the *planning* portion of the blank Project Summary form for program P4 for programmer Frodo.

   a) In completing this form, assume that the size estimate for program P4 is for a LOC of 66.
   b) You don't need to complete fields marked with asterisks.

3. Now Frodo has completed program P4 and recorded the following data:
   Actual program size: 73 LOC

   Time in phase (minutes)
   Plan   8
   Design   12
   Code   85
   Compile   28
   Test   49
   Postmortem   5

   Defects
   Injected   3 in Code
   Removed   2 in Compile, 1 in Test

4. Complete the *postmortem* portions of the Project Summary for program P4.

PSP0 Project Summary

Programmer	Frodo	Program ID	P3
Program Name	Mix Tape Calculator	Date	*4/27/15*
		Est. Time	*200*

Time in Phase	Minutes	% of Total
Design	29	11.7
Code	53	21.3
Compile	64	25.8
Test	102	41.1
Total	248	100

Defects Injected	Number	% of Total
Design	2	18.2
Code	9	81.8
Compile	0	0
Test	0	0
Total	11	100

Summary

	Actual	
Program Size	106	lines of code
Productivity (calculated)		LOC / hour
Defect Rate (calculated)		Defects/KLOC

PSP1 Project Summary

Programmer   Frodo _____   Program ID   _____
Program   _____   Date   _____

Time in Phase (min.)	Est.	Actual	To Date	To Date %
Planning	_____	_____	_____	_____
Design	_____	_____	_____	_____
Code	_____	_____	_____	_____
Code Review	***	***	***	***
Compile	_____	_____	_____	_____
Test	_____	_____	_____	_____
Postmortem	_____	_____	_____	_____
Total	_____	_____	_____	_____

Defects Injected	Est.	Actual	To Date	To Date %
Planning	***	_____	_____	_____
Design	***	_____	_____	_____
Code	***	_____	_____	_____
Code Review	***	***	***	***
Compile	***	_____	_____	_____
Test	***	_____	_____	_____
Total Development	***	_____	_____	_____
After Development		_____	_____	

Defects Removed	Est.	Actual	To Date	To Date %
Design	***	_____	_____	_____
Code	***	_____	_____	_____
Code Review	***	***	***	***
Compile	***	_____	_____	_____
Test	***	_____	_____	_____
Total Development	***	_____	_____	_____
After Development		_____	_____	

Summary	Est.	Actual	To Date
Program Size (LOC)	_____	_____	_____
LOC/Hour	_____	_____	_____
Defects/KLOC	***	_____	_____
Yield	***	***	***
A/F ratio	***	***	***