SE-292 High Performance Computing Profiling and Performance

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Output:				
<u>%Time</u> <u>Name</u>	<u>Seconds</u>	<u>CumSecs</u>	<u>#Calls</u>	
56.8	0.50	0.50	1000	_baz
27.4	0.24	0.74	1000	_bar
15.9 	0.14	0.88	500	_foo
0.0	0.00	0.88	1	_main
0.0	0.00	0.88	3	_strcpy
				9



Profil: What it does

- One of the parameters in call to profil is a buffer
- Used as an array of counters initialized to 0
- Array elements are associated with contiguous regions of program text
- During execution, PC value is sampled (once every clock tick, default: 10 msec); triggered on timer interrupt
- Corresponding buffer element is incremented
- Later associated with a function; time weight of 10 msec used to estimate CPU times

11

