

Princeton University
 COS 217: Introduction to Programming Systems
 Introductory Questionnaire

Name (optional): _____

Please indicate your level of expertise on these topics. Use a 5-point scale, where 5 means “I know this topic very well” and 0 means “I know nothing about this topic.”

Level of Expertise	Topic
	UNIX fundamental commands (cd, ls, cat, etc.)
	UNIX redirection (< and >) and pipes ()
	The UNIX xemacs editor
	The UNIX gcc compiler
	The UNIX gdb debugger
	The UNIX make tool
	The UNIX gprof execution profiler
	UNIX process control system calls (execvp, fork, wait, kill)
	UNIX low level I/O system calls (open, close, creat, read, write)
	UNIX inter-process communication system calls (pipe)
	UNIX signal handling functions and system calls (signal, alarm)
	C control structures (if, switch, for, while, do...while, break)
	C function calls
	C preprocessor directives (#include, #define, etc.)
	C header (.h) files
	C arrays
	C pointer variables and operators (* and &)
	C structures
	C dynamic memory management facilities (malloc, calloc, realloc, free)
	C void pointers
	C function pointers
	C “opaque” pointers
	Abstract Data Types (ADTs) in C
	The binary, octal, and hexadecimal number systems
	Intel IA-32 architecture
	Intel IA-32 assembly language