# Princeton University
## COS 217:  Introduction to Programming Systems
## Introductory Questionnaire

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|---|---|
| **Name:** | |
| **E-Mail Address:** | |
| **Major:** | |
| **Degree Sought (A.B., B.S.E.):** | |
| **Academic Year:** | |

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."

| Expertise | Topic |
|---|---|
| | The Unix operating system, in general |
| | Fundamental commands (cd, ls, cat, etc.) |
| | Redirection (< and >) and pipes ( | ) |
| | Background processes via Ctrl-z |
| | The GNU programming environment, in general |
| | The Emacs editor |
| | The GCC preprocessor, assembler, compiler, and linker |
| | The GDB debugger |
| | The Make project maintenance tool |
| | The Gprof execution profiler |
| | The Java programming language |
| | The C++ programming language |
| | The C programming language, in general |
| | Control structures (if, switch, for, while, do...while, break) |
| | Function calls |
| | Preprocessor directives (#include, #define, etc.) |
| | Header (.h) files |
| | Arrays |
| | Pointer variables and operators (* and &) |
| | Structures |
| | Dynamic memory management facilities (malloc, calloc, realloc, free) |
| | Void pointers |
| | Function pointers |
| | Opaque pointers |
| | Abstract data types (ADTs) |
| | The binary, octal, and hexadecimal number systems |
| | Intel IA-32 architecture |
| | Intel IA-32 assembly language |

Any comments?  (Please use the back of this page.)