This form is provided to help you review. In general, exam questions are similar to (or even same to) HW, Lab, exercise, and PPT examples. Only very minimum would come from presentations if at all.

| Content | Know it well | Not really | Plans for learning this |
|---|---|---|---|
| I know what this course is about | | | |
| I know what is PL paradigm<br>I can list and introduce common paradigm names & characteristics & when to use which<br>I know their representing PL | | | |
| I know what is PL principle<br>I can draw PL translation pipeline (compiler graph) | | | |
| I can reason complier vs. Interpreter & which one is better used at what situation<br>I know what is lexer and how it is working<br>I know what is parser and how it is working | | | |
| I can write regular expression for tokens. | | | |
| Given token or expression similar to PPT examples<br>I can write its token or sentence level BNF grammar<br>I can find out its left-most derivations | | | |
| With BNF grammar & an expression<br>I can draw its parser tree<br>I can draw its abstract syntax tree<br>I can describe why we need BNF grammar, parse tree, and abstract syntax tree | | | |

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|---|---|---|---|
| I can write python practice questions related to: functions call other functions; pass variables between functions; list; loops; variables.<br>I can reason python vs. C++, pro. & con. | | | |
| I can describe why/when we need event-driven paradigm | | | |
| I know at least 3 languages that support OOP<br>I know at least 3 languages that support regex<br>I know at least 3 languages that support event-driven<br>I know at least 3 languages that support GUI<br>(PL names only) | | | |
| Besides typical way of reading a book cover to cover, I now know other ways to learn new knowledge efficiently.<br>I can describe 2-3 different ways with action steps that I can use if I need to learn & use new PL quickly in future career. | | | |