

## *Module: Elementary Data Structures*

*CSE 674 Advanced Data Structures and Algorithms*

*Class Activity: A data structure for topological sorting*

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### *Question*

Consider the following table, which record a number of college courses and their pre-requisites.

Course	Pre-requisites
612	400, 411
818	412, 612
411	311
412	113, 311, 420
420	113

Design a data structure and use it to compute an order of taking these courses so that the pre-requisite requirements are all met.

### *Answer*

**Answer: .**