Generic Elective – Computer Science  
**Data Structures Using Python   
(Semester-IV)**

**PRACTICAL FILE (2025)**

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1. Question1

***Code:***

***Output:***

1. Question2

***Code:***

***Output:***

1. Question3

***Code:***

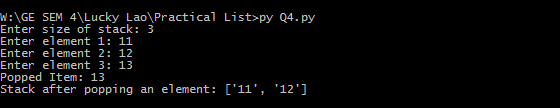
***Output:***

1. Implement stack as an ADT and use it to evaluate a prefix/postfix expression.

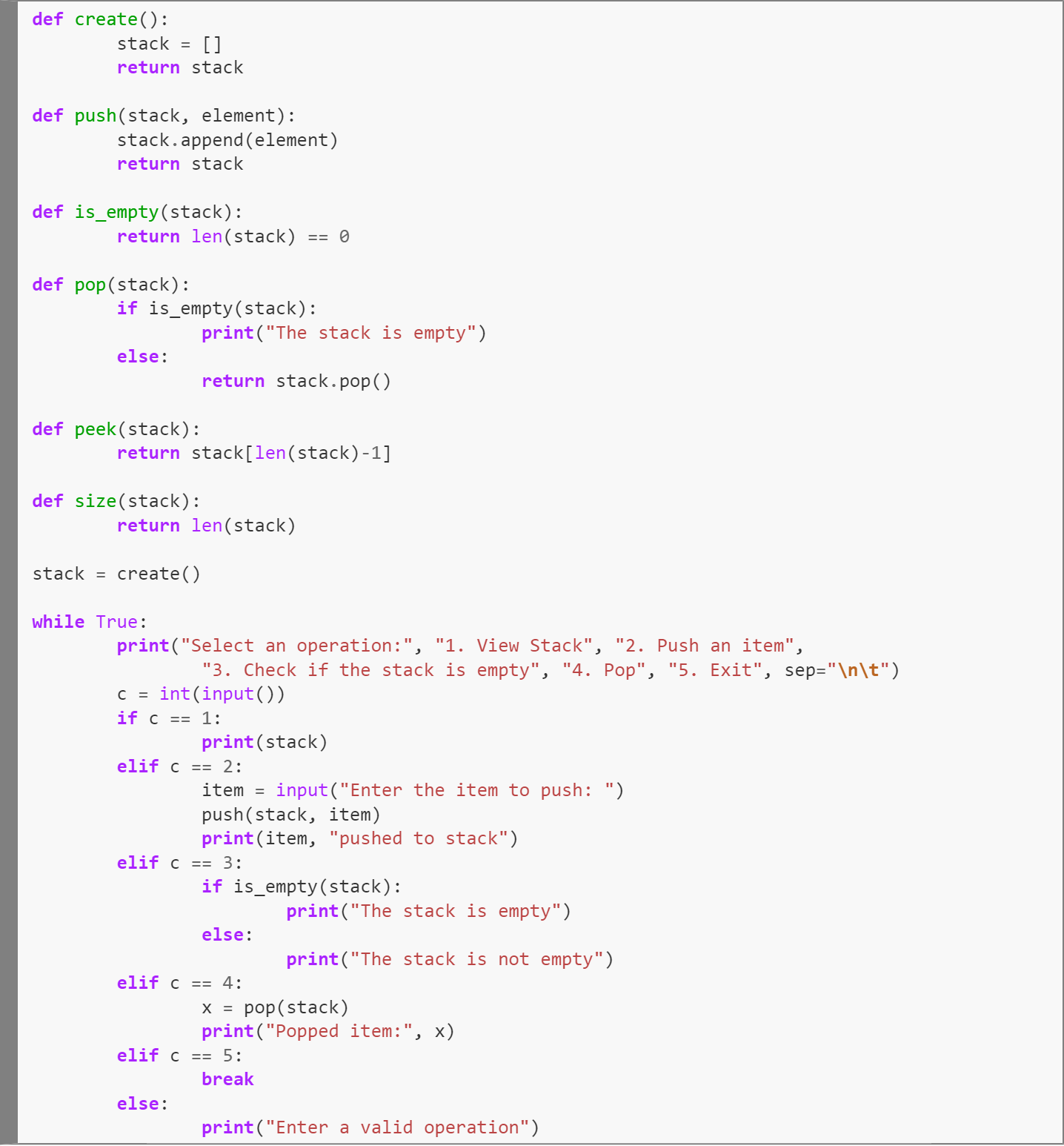
***Code-I:***

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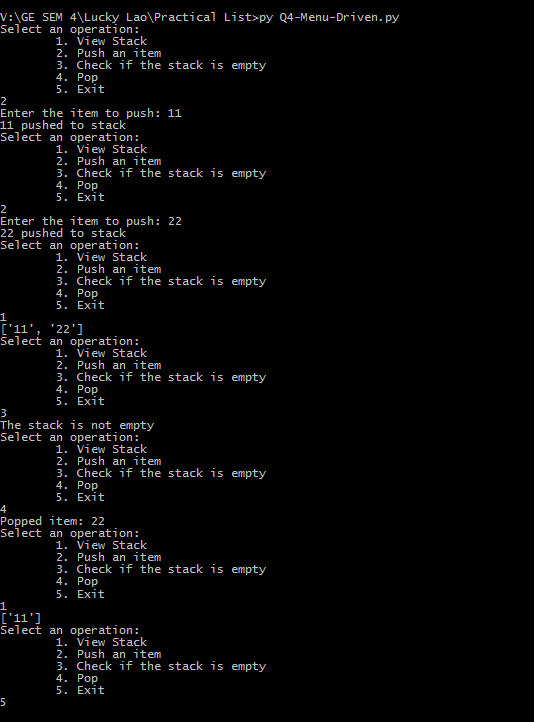
***Output:***

******

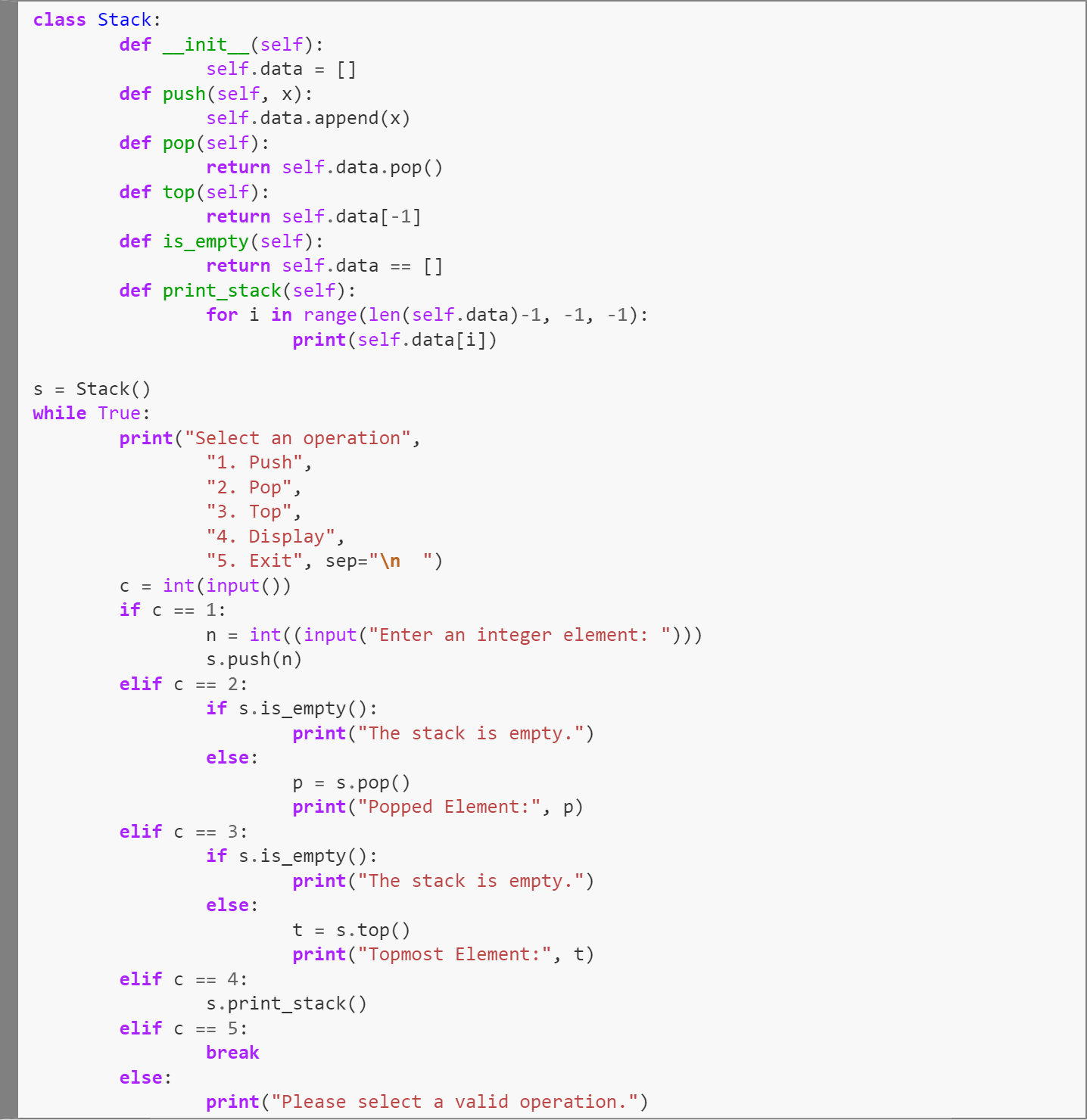
***Code-II (Menu-Driven):***

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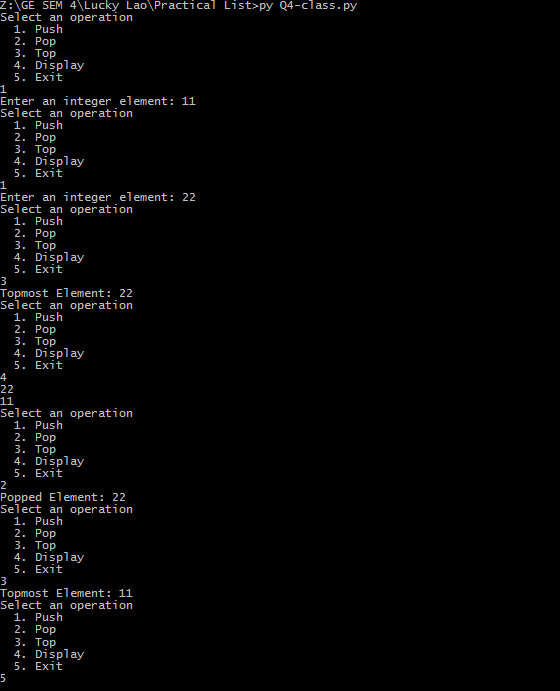
***Output:***

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***Code-III (Using class, Menu-Driven):***

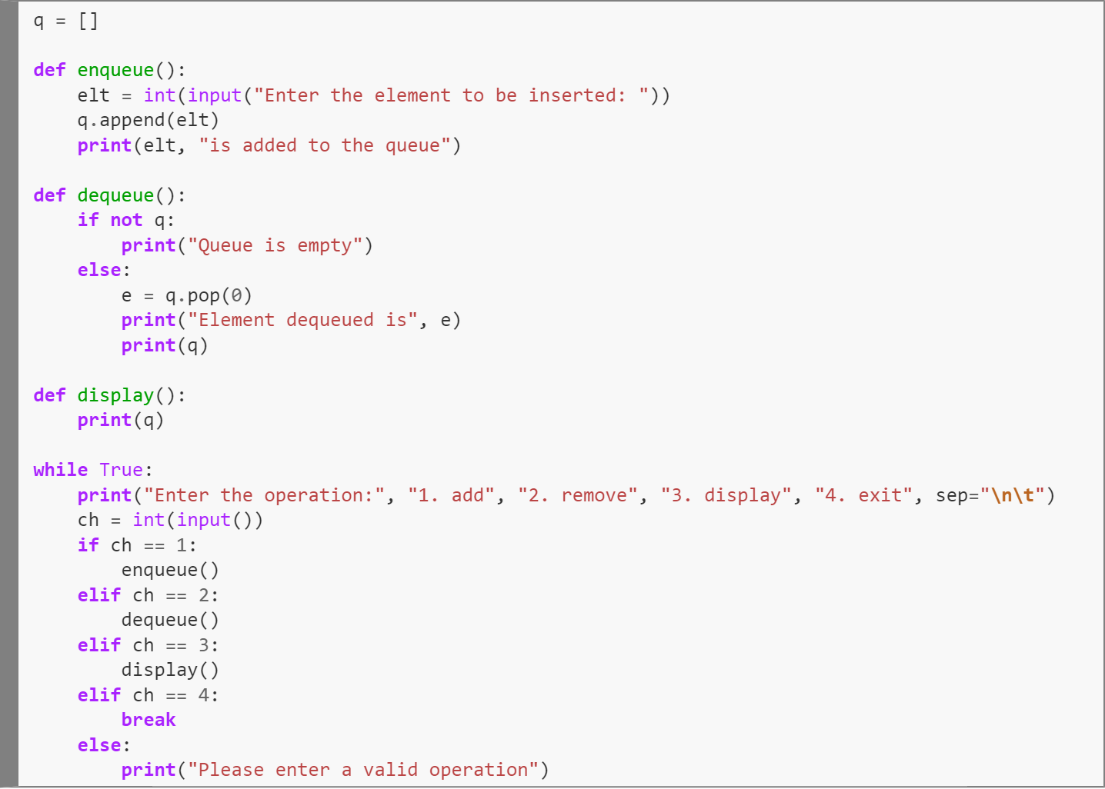
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***Output:***

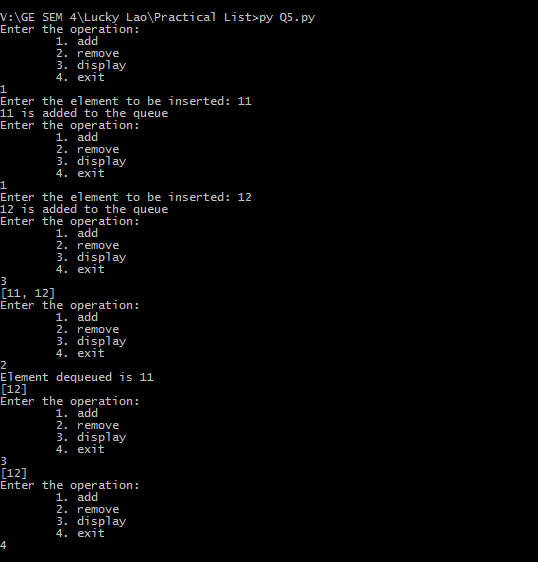


1. Implement Queue as an ADT.

***Code:***



***Output:***



1. Question6

***Code:***

***Output:***

1. Question7

***Code:***

***Output:***