

Interfaces/Abstract Data Types

Open Data Structures



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- Describes what a data structure *does*:

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- Describes what a data structure *does*:
 - supported operations (the *interface*)

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 - meaning of operations (the *semantics*)

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 - supported operations (the *interface*)
 - meaning of operations (the *semantics*)
- ~~Representation and implementation~~

Abstract Data Types/Interfaces



B. Liskov and S. N. Zilles, Programming with Abstract Data Types, *SIGPlan Notices*, 9(4), pp. 50-59, 1974.

Barbara Liskov at the ACM
Turing Centenary
Celebration
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Abstract Data Types/Interfaces



B. Liskov and S. N. Zilles, Programming with Abstract Data Types, *SIGPlan Notices*, 9(4), pp. 50-59, 1974.
abstract data type = interface

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End of Lesson