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**Depreciation:**

Abstraction: The process of isolating implementation details and extracting only essential property from an entity. There is a two type of abstraction in programming these are data abstraction and functional (algorithm) abstraction.

Abstract Data Types: ADT is end result of data abstraction. ADT is combination of a operations sets and data type consists of object sets together. These objects types are constructors ,accessors and destructors. Package data structure and its operations in same module. Extensible type is new mechanism to built and these is same built in types. It representation is abstraction. The operation provided by ADT can be access only by user through encapsulation. This language independent concept. Different language supports ADT in different ways. This has two properties Specification and Implementation.

**Following show that the what affect on implementation of application:**

The two properties of ADT are effecting the detail implementation of application.

Data abstraction is effective tool in design of complex system. And it provide key factors is to maintain and adaption of software system.

**Specification:** In application , it declare the data type and operations without implementation details but possibly with semantics of operations. These provide application information needed to use ADT in program. These include data structures are accessible to user although details are hide. Declaration of function and procedures accessible to use which bodies are not provided. It support all ADT operations.

**Implementation:** It collect the details of ADT. In application , usually not accessible to user . Provide details on all data structures including some hidden to user and bodies of all operation. Data structures and actual coding to meet the specification. Usage only base on the specified operations. Different implementation do not affect the user.