

7 - encapsulation

packaging = building an independent and self complete set of function and variable declarations
hiding and encapsulation = restricting access to this set only via a set of interface function and variables

	<u>abstract data type</u>
interface =	constructor, functions
detail =	<u>data type definition</u> , auxiliary functions

<u>object</u>
constructor, functions
<u>variables</u> , auxiliary functions

purpose

- preserving data integrity (button lock)
- abstraction
- re-usable codes

inheritance = classes derived from other classes