























	Department of Computer Scien		
Given two units (e.g. methods, classes, modules,), A and B:			
A & B communicate by simple data only	High (use parameter passing & only pass necessary info)		
A & B use a common type of data	Okay (but should they be grouped in a data abstraction?)		
A transfers control to B by procedure call	Necessary		
A passes a flag to B to tell it how to behave	Undesirable (why should A interfere like this?)		
A & B make use of a shared data area (global variables)	Undesirable (if you change the shared data, you have to change both A and B)		
A changes B's data, or passes control to the middle of B	Extremely Foolish (almost impossible to debug!)		
	ethods, classes, modules,), Features A & B communicate by simple data o nly A & B use a common type of data A transfers control to B by procedure call A passes a flag to B to tell it how to behave A & B make use of a shared data area (global variables) A changes B's data, or passes control to the		

2	Cohesion		
How well do the contents of an object (module, package,) go together			
Form	Features	Desirability	
Data cohesion	all part of a well defined data abstraction	Very High	
Functional cohesion	all part of a single problem solving task	High	
Sequential cohesion	outputs of one part form inputs to the next	Okay	
Communicational cohesion	operations that use the same input or output data	Moderate	
Procedural cohesion	a set of operations that must be executed in a particular order	Low	
Temporal cohesion	elements must be active around the same time (e.g. at startup)	Low	
Logical cohesion	elements perform logically similar operations (e.g. printing things)	No way‼	
Coincidental cohesion	elements have no conceptual link other than repeated code	No way‼	









