





Relational databases						
Student_Name	ID_Number	Major	GPA			
Knuth	328012098	CS	4.00			
Von Neuman	481080220	CS	3.78			
Von Neuman	481080220	Mathematics	3.78			
Russell	238082388	Philosophy	3.85			
Einstein	238001920	Physics	2.11			
Newton	1727017	Mathematics	3.61			
Karp	348882811	CS	3.98			
Newton	1727017	Physics	3.61			
Bernoulli	2921938	Mathematics	3.21			
Bernoulli	2921939	Mathematics	3.54			
Bernoulli	2921938	Mathematics	3.54			

Alternate Approach							
Student_ID	Name	GPA		Student_ID	Major		
328012098	Knuth	4.00		328012098	CS		
481080220	Von Neuman	3.78		481080220	CS		
238082388	Russell	3.85		481080220	Mathematics		
238001920	Einstein	2.11		238082388	Philosophy		
1727017	Newton	3.61		238001920	Physics		
348882811	Karp	3.98		1727017	Mathematics		
2921938	Bernoulli	3.21		348882811	CS		
2921939	Bernoulli	3.54		1727017	Physics		
				2921938	Mathematics		
				2921939	Mathematics		



















