**19. LINQ – Language INtegrated Query. Query Expressions – Заявки вградени в езика. Ламбда изрази**

LINQ – Language INtegrated Query
( заявки вградени в езика )

* Основни фундаменти на LINQ
* LINQ - използвани езици C# 3.0 VB 9
* Особености
	+ Lambda Expressions
	+ Query Expressions
		- Delegate functions
		- Type inference
		- Anonymous types
		- Extension methods
		- Expression trees

Инициализация на обекти

Invoice i = new Invoice { CustomerId = 123, Name = “Test” };

***Is equivalent to:***

Invoice I = new Invoice();

i.CustomerId = 123;

i.Name = “Test”;

Lambda Expressions
Predicates

* + Predicate
		- (p) => p.Gender == “F”
	+ Projection
		- (p) => p.Gender ? “F” : “Female”
		- “Each person *p* becomes string “Female” if Gender is “F””