Introducing the Power of LINQ

LANGUAGE INTEGRATED QUERY



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Lambda Expressions



Lambda Expression

```
public int Multiply(
int x, int y){
   return x * y;
}
```

$$(x, y) = > (x * y);$$





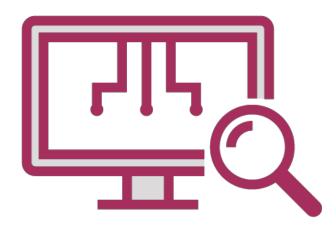
Lambda Expressions



LINQ – Language Integrated Query



LINQ Queries



Query data from...

- Collections
- Relational data
- XML documents





LINQ Query



LINQ Query Operators



Query Operators





Query Operators





Deferred Execution



Key Operators

Any - Returns a Boolean. Test if collection is empty or contains the value.

Take - Allows you to choose how many values to retrieve.

Distinct - Retrieve only one of each value.

Zip - Threads two lists together.





Key Operators



Module Summary



Lambda expressions

LINQ Queries

Key LINQ Operators

- Any
- Take
- Distinct
- Zip

