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FEW REASONS YOU SHOULD GET FAMILIAR WITH F#

#### F# - KEY FEATURES

- Multi-paradigm, functional first CLR language
- Exhaustive type system
- Ability to use almost any .NET library
- Well documented
- Great community
- Huge amount of good quality learning material (both paid and free)
- Open Source

#### F# - NATIVE TYPES

- Base types int, float, string, unit, obj
- Lists
- Arrays
- Tuples
- Records
- Discriminated Unions, Option
- Enums
- Units of Measure

### F# - LANGUAGE CONSTRUCTS

- Functions as first class values
- Lambdas
- Pattern matching
- Matching functions
- Pipe operator

### DEMO

NATIVE TYPES, PATTERN MATCHING, PIPES

#### F# - TYPE PROVIDERS

- Quick and convenient access to multiple data sources
- No need to create models sample data is (usually) enough
- Multiple common types are handled in FSharp. Data library:
  - XML
  - JSON
  - HTML
  - SQL
  - CSV
  - **–** ...

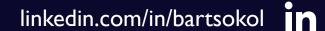
## DEMO

TYPE PROVIDERS

## DEMO

**LUCKY WINNER APP** 

# Q & A





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### THE END

#### THANK YOU FOR ATTENDING!

https://github.com/bartsokol/FSharpDemos

https://github.com/bartsokol/LuckyWinner