

The OCaml Handbook

A Complete Guide from
First Program to Production Systems



```
let rec factorial n =  
  if n <= 1 then 1  
  else n * factorial (n - 1)  
  
let () =  
  let result = factorial 5 in  
  Printf.printf "5! = %d\n" result
```

Scott Hanselmann

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Steve T. Publications

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A Complete Guide from First Program to Production Systems

About this book: OCaml is one of the most powerful and elegant programming languages available today, yet it remains relatively unknown outside specialized communities. This book takes you on a complete journey from writing your very first OCaml program to deploying production-quality applications. Whether you are a student encountering functional programming for the first time, a professional developer looking to expand your toolkit, or an experienced programmer seeking mastery of one of the most expressive languages in existence, this book provides everything you need. Every concept is explained clearly with practical examples, exercises, and real-world context drawn from OCaml's rich ecosystem and its use at companies like Jane Street, Meta, Bloomberg, and Docker.

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