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**Ivor Horton's Beginning Java™ 2,  
JDK™ 5 Edition**



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# Ivor Horton's Beginning Java™ 2, JDK™ 5 Edition

Ivor Horton



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## About the Author

**Ivor Horton** started out as a mathematician, but shortly after graduating, he was lured into messing about with computers by a well-known manufacturer. He has spent many happy years programming occasionally useful applications in a variety of languages as well as teaching mainly scientists and engineers to do likewise. He has extensive experience in applying computers to problems in engineering design and to manufacturing operations in a wide range of industries. He is the author of a number of tutorial books on programming in C, C++, and Java. When not writing programming books or providing advice to others, he leads a life of leisure.



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# Foreword

You are probably reading this foreword with one of several things in mind. First, is this the right book for me, is the material current, and does the text reflect the final API? Second, what should I expect to learn and where should I start reading a book of this length?

Many of the forewords I have seen will lead you through an amusing anecdote or story and then mention a little about the author, but then fail to leave you any wiser about the answer to those questions. So, to get straight to the point and to answer the second question first, this is a book that you can start from page one and read right through to the end. If you haven't read any of Ivor Horton's books before, you are in for a pleasant surprise. Ivor's style is very accessible, which makes the content easy to follow and understand. I know, because I have read this book from cover to cover.

This edition of *Ivor Horton's Beginning Java 2, JDK 5 Edition* is based on the J2SE 5.0 platform. The J2SE 5.0 release is one of the most significant updates to the Java platform in many years and has been three years in the making. The release involved 160 experts worldwide, all working through the Java Community Process and focused on making the platform better for all developers. I have been involved with the project since day one as the Specification Lead for JSR 176, which defines the contents of J2SE 5.0. As such, I had a great interest in making sure that this book is accurate and matches the final API set. I've even compiled and run every code example twice, and there are a lot of great examples, as you will find out.

So what can you expect to learn from this new edition? First, Ivor covers the basic programming blocks and gets you started with your first Java program. Ivor then introduces the Java language changes step by step, including the new generic types, the enhanced `for` loop, enumerated types, and many others. You will also get to use the new language changes in later chapters and learn some of the other non-language features, such as XML DOM3 updates. So whether you are a new developer or already have some Java programming experience, you will gain the skills needed to work with the latest Java release.

In closing, I encourage you to read and enjoy what JDK 5.0 has to offer and find out how easy using J2SE 5.0 really is.

Calvin Austin  
J2SE 5.0 Specification Lead  
Sun Microsystems



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# Acknowledgments

While a book is usually attributed to the author, a book — particularly a large book such as this — is always the result of the efforts of a sizeable team of people. I'd therefore like to thank all the editorial and production staff at Wiley who worked so hard to produce this fifth edition of my Java tutorial from my initial draft.

I'd especially like to thank Calvin Austin of Sun Microsystems for his extensive technical input. He somehow found the time to go through the complete text and try out all the examples — twice — in spite of the considerable demands of his day job. Calvin's suggestions for improvements were invaluable, as was his ability to spot my mistakes, and I'm particularly grateful for his indications of where I'd missed some of the inevitable changes arising from the evolution of the J2SE 5.0 API during the beta phases. Any errors that remain are, of course, my own, but there are surely fewer of them as a consequence of Calvin's efforts.

I'd also like to thank readers of past editions of *Ivor Horton's Beginning Java* for their numerous suggestions for corrections and improvements. In addition to the many changes that I made in response to these, I also updated and reintroduced the chapters on using JDBC that were omitted from the previous edition, in response to requests from a number of readers. The greatly increased page count of this edition over the previous edition is only in part a consequence of restoring the JDBC tutorial. The bulk of the additional page count is attributable to new material relating to the features introduced by J2SE 5.0 that deliver exciting new capabilities for every Java programmer. The J2SE 5.0 release is truly a major step forward that encompasses important extensions to the Java language as well as major additions to the class libraries.

Finally I'd like to thank my wife, Eve, who provides unstinting support for whatever I happen to be doing and cheerfully accepts my complaints about the workload that I freely elected to undertake. She always manages to be on hand whenever I need sustenance or sympathy, or both, and undoubtedly I would never have finished this book without her.

Ivor Horton



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