

PRACTICE CS CONCEPTS WITH SCRATCH

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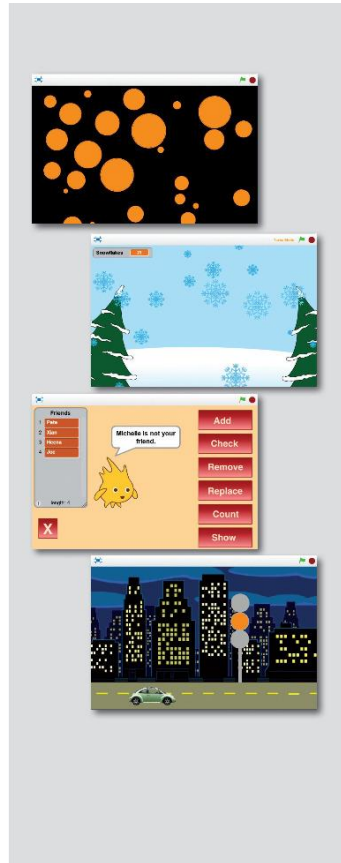
by Abhay B. Joshi

Here is another exciting book in the popular series "Learning computer programming and CS principles". This book is a companion to "Learn CS Concepts with Scratch" by the same author. The focus in this book, as the title suggests, is on "practice". You will find numerous review questions and programming problems to hone your Scratch and CS skills. In the constructivist tradition of Jean Piaget and Seymour Papert, Abhay views Computer Programming not just as a useful skill to build careers, but also as a "powerful medium for learning" in which students actively engage in a creative, entertaining, and intellectually challenging pursuit. Abhay has been conducting programming classes for middle and high school students since 2007. He divides his time between Seattle, USA and Pune, India.

Young people today have lots of experience... interacting with new technologies, but a lot less so of creating (or) expressing themselves with new technologies. It's almost as if they can read but not write.

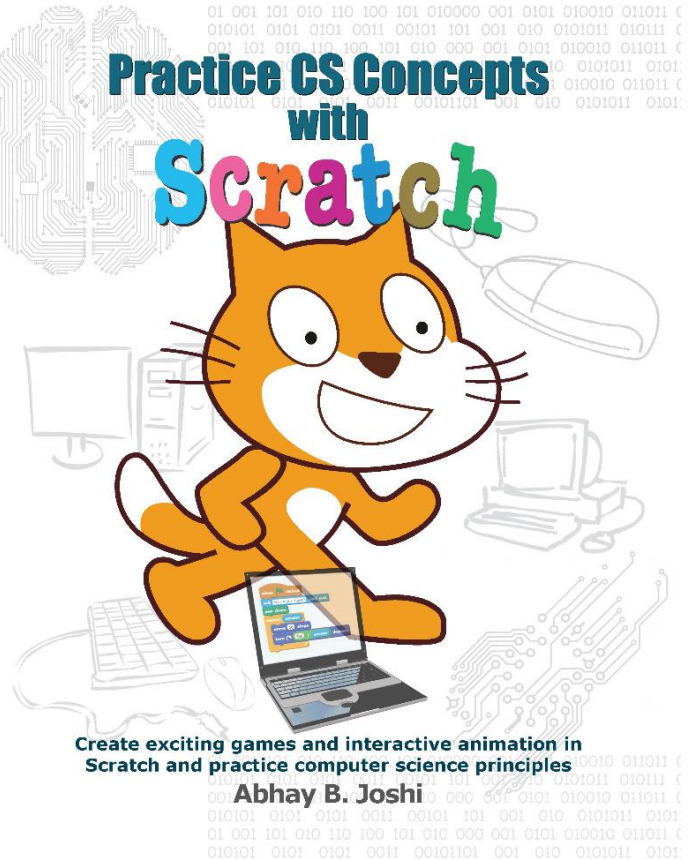
— Edwin H. Land,
Scientist and Inventor

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Practice CS Concepts with Scratch

Abhay B. Joshi



Who this book is for:

This book is a supplement to the book titled "Learn CS Concepts with Scratch" by the same author. It provides additional review questions to evaluate your understanding of CS concepts, and additional programming assignments to practice all these concepts. The book is perfect for students who have recently learnt Scratch programming and would like to practice their skills on a variety of interesting problems.

How to get your copy:

Digital format: This book is available on Amazon Kindle at all Amazon sites.

Print format: The book is available in print format on Amazon only in some countries (e.g. US).

To order your printed copy in India, please write to abjoshi@yahoo.com. The cost is INR 300 (Rs. 250 + Rs. 50 for shipping). You could do an NEFT transfer to:

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Author's background

As a freelance teacher, Abhay's area of interest is teaching Computer Programming as "the exciting new magic" and also as a "medium for learning" in the constructivist tradition. He has been teaching regularly to elementary, middle, and high school students in WA, USA and Pune, India since 2008. He teaches at Aksharnandan School in Pune, India every

summer, and works with TEALS (<http://tealsk12.org/>) to teach Computer Science to high school students in the US. Abhay teaches both in person and over the Internet using video-conferencing tools. Since 2011, he has authored or co-authored several programming books, which are based on Scratch, Snap, and Logo. He has written several articles to promote CS education, and offers teacher-training workshops to encourage aspiring teachers to experiment with this idea.

Abhay has been associated with the Software Industry since 1988 as a programmer, product developer, entrepreneur, and teacher. After getting an MS in Computer Engineering from Syracuse University (USA), he worked as a software engineer for product companies that developed operating systems, network protocols, and secure software. In 1997, Abhay co-founded Disha Technologies, which grew to be a successful software services organization.

Programming remains one of Abhay's favorite hobbies, and he continues to explore the "entertaining, intellectual, and educational" aspects of programming.