

# Getting To Know Git

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this book explains how to use git from command line on windows mac os and linux small startups and big companies use git in their workflows to deploy projects to collaborate to find and fix bugs to backup code there is simply no way around it if you are a software developer the problem is it can be very confusing git has many commands each with its own set of options commands can behave differently depending on their options the command line interface has no visual guidance you have to use your imagination to understand what is going on the concepts used by git diff staging commits branches remotes etc it is not always clear what they mean and how they work if you get stuck with git and search for help you ll find two kinds of resources specific recipes that you have to follow blindly reference manuals full of complex terminology and technical details this book is different it is a guide that will help you understand how git works it is designed to give you the necessary knowledge to get started without overwhelming you with too much information key

features mental models analogies and visualizations to help you understand how git works illustrations the book has illustrations that will help you understand the concepts better and make them more memorable exercises each chapter has exercises that will help you understand and remember the concepts better they will also help you develop the muscle memory for the commands example repositories most exercises have example repositories that you can use to experiment with git this will be very useful even after you finish the book you will be able to use them as testing grounds if you got stuck with a problem in your project how this book helps first it goes over a typical workflow explaining what happens at each step then it goes over the most important commands and concepts to help you understand and remember the concepts the book uses analogies and visualizations in the end of each chapter there are exercises that use example repositories these exercises will help you understand and remember the concepts better the example repositories that come with the exercises also serve as laboratories where you can experiment with git this will be very useful even after you finish the book you will be able to use them as testing grounds if you got stuck with a problem in your project

what will you learn from this book many people who use git rely on recipes copying and pasting commands they find on the internet without really understanding how git actually works but what do you do if you find yourself in a tight spot you can't simply wing it with this unique hands on guide you'll learn the ways of git and have fun while doing it raju gandhi peels back the layers to reveal the simple yet powerful engine that powers git so you'll understand not just the how but the why you'll master branches merges commit messages search utilities and more learn best practices for collaborative work and unlock the full potential of git what's so special about this book if you've read a head first book you know what to expect a visually rich format designed for the way your brain works if you haven't you're in for a treat with this book you'll learn git through a multisensory experience that engages your mind rather than a text heavy approach that puts you to sleep

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