Tips to becoming a better coder

MAP YOUR MIND

A. PSEUDOCODE

1. What is pseudocode?
2. How to write pseudocode
3. Lecture on pseudocode

B. FLOWCHART

Visit Diagrams or Miro to create a flowchart

1. Flowchart
2. Create a flowchart
3. What is a flowchart? This is an in-depth video on a flowchart that explains it using C language.

GIT AND GITHUB

1. This is a quick explanation of Git and GitHub for beginners to help you know the basics.
2. Another practical explanation of Git and GitHub
3. This video uses visuals to explain Git in detail
4. Progit A detailed book that talks Git in details. Was worked on byt 100's of programmers

SHELL NAVIGATION

1. This is a quick crash course for the Command line.
2. This is a Linux series with a total of 108 videos. It talks about 100 Linux commands you should know and how to use them.
3. This is a video on Shell scripting that I highly recommend. You'd be amazed at what things you'd learn
4. All about learning the shell material

SHELL SCRIPTING VIDEOS AND MATERIALS

1. What is BASH scripting?
2. Writing BASH script
3. More on writing scripts
4. File permissions by guru99

5. All chmod commands
6. Keyboard shortcuts

SHELL VARIABLES AND EXPANSIONS

1. **Linux shell variables**
2. **Environment Variables**

SHELL I/O REDIRECTIONS

1. **Redirection in Linux**
2. **The three standard files in Linux**
3. **Pipes, Grep, Sort Commands**

MATERIALS TO READ ON SHELL COMMANDS, EMACS & VIM/VI

1. Linux command line
2. Basic Shell command
3. Git commands and another one
4. Bash command and make sure to read till the end if you want to see the other commands for files, processing, and networking
5. All about shell navigation
6. Emacs commands one and two
7. VI/Vim text editor

C PROGRAMMING LANGUAGE

0. Learn C in fantastic detail - This is at the top of my list.
1. An extensive and comprehensive read for C Programming by JavaTpoint
2. Another site to read for C by Educba
3. **C Programming For Beginners Theory** - A theoretical video on C
4. **C Programming for Beginners practical video**
Highly recommend this video for the practical aspect of c and learning to write mathematical problems
5. An interactive platform to learn to code in C, similar to Mimo and freecodecamp.
6. Short video on pointers and arrays
7. **C Interview**
8. **200+ C programs**

9. Books on C Programming Language - Google Drive (from Beginner to Advanced)
10. Programmiz interactive course on C
NOTE: DO NOT CLICK ON THE "INTERACTIVE C COURSE" unless you can afford to pay for the subscription and also want a certificate as well as want to do the projects given. If you have no need for those just start with **"C INTRODUCTION"**

CODING PLATFORMS

1. Online C compiler for practice also can be used for python, C++, SQL, and Java
2. Another online C compiler

By Emmanuel Major