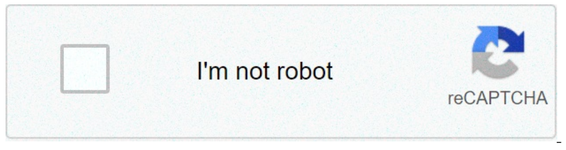

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Swift playgrounds learn to code 1 answers

The future of education is all about lifelong learning, but too many people don’t further their education after they get out of school. Now the beauty of the internet can come to rescue with continuing education options that let you advance your existing career or even switch to a whole new one! RELATED: 10 highest paying work-at-home careers We all hear about the importance of STEM learning and how it will shape the jobs of the future. In fact, Glassdoor.com reports that starting salaries for an Android developer are in the upper $80s right now. If you want in on that action, there are plenty of opportunities out there that you can take advantage of. Codecademy.com offers free courses in JavaScript, HTML, CSS, PHP, Python, Ruby and API. With the knowledge you get here, you can build programs, games, websites and apps. KhanAcademy.org is another great site that has interactive video tutorials on HTML, CSS, Javascript, SQL and more. Also offered for free is the highly popular Hour of Code program, which has been adopted by many classrooms. Speaking of kids, if you’re got a child who wants to learn how to code, there’s a wealth of free resources linked over at Blogging.com. FreeCodeCamp offers certificates in front end, back end and data viz development and claims that more than 6,000 people who have completed their programs have gotten their first developer jobs. Another free option is The Odin Project, where you can immerse yourself in training in the Ruby programming, Ruby on Rails, Javascript and more. Other similar sites you may want to check out include CodeSchool.com where you can learn programming via select free courses or access all their content for $29 a month. Lynda.com, meanwhile, offers a free 10-day trial and after that full access is $25 a month. RELATED: Free online courses, lessons and apps that will make you smarter Learning to code this way pays off with a guaranteed job! If you’re willing to step it up a bit in terms of price point, you might be interested in Udacity.com. While they do offer a variety of free courses, it’s their paid Nanodegree Plus coursework that is really intriguing. The entire program — designed in conjunction with major employers like Google, Facebook, AT&T, Amazon and many others — is like a pipeline for those companies to fill high-paying jobs with workers who have the skills they need. The cost is $299 per month and the coursework typically takes six to nine months to complete. So the total bill is $2,700. But here’s the amazing thing: If you study one of the four fields below, successfully graduate and then can’t find a job in your field within six months, the entire $2,700 is refunded to you! Machine Learning Engineer Android Developer Senior Web Developer iOS Developer Coding is now a valuable skill for many careers and industries With advances in technology happening across all industries — along with increasing integration of technology within current processes and systems — knowing how to code can be a valuable skill for a variety of different jobs and careers. Free non-credit course from top colleges Maybe you’re on a different track in life and just want to augment existing skills rather than learn a whole new skill set. Once you have a degree, doing free online education that amps up your skills and modernizes your education is a great way to make yourself an attractive job candidate. Coursera.org offers free non-credit courses online from 16 top universities including Stanford, Princeton, Penn State, Rice, Michigan, Duke, Georgia Tech and many more. Here’s a list of some of the types of classes that are available: Biology & Life Sciences Computer Science: Programming & Software Engineering Economics & Finance Health and Society & Medical Ethics Mathematics Statistics, Data Analysis, and Scientific Computing Business & Management Computer Science: Systems, Security, Networking Education Humanities and Social Sciences Medicine and Veterinary Science Computer Science: Artificial Intelligence, Robotics, Vision Computer Science: Theory Electrical and Materials Engineering Information, Technology, and Design Physical & Earth Sciences RELATED: These 9 companies need to fill 500,000 jobs right now for the holidays Software developer in development. Data analysis enthusiast. Healthcare IT. While this anecdote is from my own experience, I firmly believe that most of us been in this situation before. One day, you decide to learn something new. Perhaps you want to learn how to code, so you pick the hottest language of the moment. It's a language that "pays the most", works like magic, and everyone is looking for people that know it.Or at least every forum and video selling you a course said so...You went to the documentation, completed all the modules in code academy or freecodecamp and the like. Maybe even joined a Bootcamp, and by the end of it, you were left with an unsavory taste in your mouth thinking, "Do I really know how to code?".I spent three months on learning to code from scratch. And the first thing I realized was that I did not know how to learn something in an effective way, or possibly at all. Thinking back on my academic experience, my way of learning things was forcing myself through an empirical method (Practice X math problems until you get it, read through this chapter X times until you cannot forget it...). This ended up being tiresome and more annoying than I have words to describe.This method was crushing my willingness to learn anything new and made me question, "How the hell should I learn to code then?"After seeing the third ad for a course promising I was going to master data science in one month and be working with Google in three months, I decided to ask a more general question, “How do I learn new things?”That magic question taught me that there are a whole bunch of smart people working on that question, with no bridge to sell, and willing to share their findings with the world.So, I jumped right into it and here I brought you the core ideas, so you can start implementing them in your studies. Here are 3 ideas that should help you learn more efficiently.1. The brain avoids discomfort, so you have to bribe it to make it workReading through a topic you don’t understand for several hours is hard. Most people actively avoid reading for long periods of time, but why is that?To your brain, going through that is not much different than forcing you to endure torture. Most of the time your brain can’t be bothered to do stuff it doesn’t like, so you have to negotiate.Give your brain something it likes as a reward for giving you those lovely minutes of focus, whatever triggers that sweet sweet endorphin. One common way is the simple Pomodoro technique:Set a timer for 25 minutes (or as long as you can focus) Once the timer is over, indulge yourself with 5 minutes of relaxation. Go on Facebook, eat some candy, play a few games of Tetris, whatever works for you.The important part is that you give your brain a break which takes us to my second point.2. Being focused is not the only way to learnAs much as we like to compare things, the brain is not a machine. It is a complex organism that we know very little about.Learning a new topic is not as easy as clicking into a .exe file and installing the software.The brain needs to build neural paths for the information to get in, and it does this by repetition. Go thought the same notes in a guitar 10,000 times and you will play them by reflex, the same goes for coding.Yet, when we learn complex topics, forcing yourself to focus sometimes does more harm than good. Again, doing so is like torture for the brain.The other way we understand things is by diffuse thinking. You know those amazing ideas you get before you go to sleep, while taking a shower, or doing exercise? The brain takes the information you took while focusing and tries to get to form new neural paths with it, making you see it in new ways and hard wiring the concepts in your mind.So, going outside for a walk after two hours of writing code or reading the documentation does more for you than forcing your head through that again.3. Always get a good night's sleepThe stereotype of a student cramming books all night is over dramatic and stupid. You do more for yourself studying four hours and sleeping well than going all night without sleeping.Your brain consumes energy. In fact, it is the thing that consumes the most energy in your body. The chemical production of energy also produces waste. When you don’t sleep, you can’t get rid of that waste which make it harder for your brain to work.Do you remember all those videos or guides telling you to keep your code clean so it is easier to read and workaround? The same goes for your thoughts.Also, you are going to carry that bag of neurons inside you for the rest of your days, so keep it presentable.Learning any new topic requires routines, and negotiation with your brain. You will have to build a work schedule to set those neural paths and thinking you will do it in a single night is naive and unrealistic.Final ThoughtsTo close things off, let's review the most important points.Set a focusing period, with a reward afterward and increase it as you see fit.Start small, but be consistent; build strong foundations one brick at the time. Diffuse thinking is a powerful tool, so take a walk outside when you feel you can't get your head around the information anymore.Get a good night's sleep. Your brain is your learning tool. If it is rusty and slow, it will do a terrible job.This is the core of the "science behind learning" that I've been using in my own studies. Please use this information as you see fit, and if you are willing to dive in here is a good course you can start with: do hope this guide helps you improve your own study tactics and achieve your long-term goals!Join Hacker Noon Create your free account to unlock your custom reading experience.

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