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## Learn python the hard way python 3

I am Java programmer, blogger and guys, if you follow my blog regularly or read the articles here at HackerNoon, you may be wondering why I write an article to tell people to learn Python? Didn't I ask you to prefer Java to Python a few years ago? Well, things have changed a lot since then. In 2016, Python replaced Java as the most popular language at colleges and universities and has never looked back since. Python is growing and growing big time. If you read programming and technology news or blog posts, you may have noticed python's growth, as many popular developer communities, including StackOverFlow and Codecademy, have mentioned python's rise as a major programming language. But the biggest question is, why does a programmer have to learn python? Python is growing. Ok, it's great, but that doesn't mean Java is going down or C++ is reduced. Well, I'm a proud Java developer, and it's my favorite programming language, and always has been, but that doesn't stop us from learning potential new tools and programming language, which makes you a better programmer and Python fits that bill. For beginners it's simple, start with python because it's easy to learn and strong enough to build a web application and automate the boring stuff actually a couple of years ago, scripting was the main reason for learning Python, and that was the first and most important reason it attracted Python and preferred perl, another popular scripting language at the time. For experienced programmers, or someone who already knows Ruby, Java, or JavaScript, learning Python means acquiring a new and powerful tool in your arsenal, and I haven't come up with a programmer who says it's not a tool, and that's the right way to look if you learn a new programming language. As the classic Automates the boring stuff in pythonbook, Python gives you the ability to automate trivial things and help you focus on more exciting and useful things. If you haven't read the book, I'll go and read it, it's worth your time. There is also an online course of the same title, just in case you prefer course over ebooks. If you're a Java developer, you can do that with Groovy as well, but Groovy doesn't offer what Python has in terms of a wide range of APIs, libraries, frameworks, and domains like Data Science, Machine Learning, and Web Development.If you've done it in your head and just want to start Python now, I suggest you take a look at the one-month Python course with Chris Castiglione, one of the easiest courses you'll be a python developer in 30 days? Why do all programmers need to learn Python? If you're thinking about learning Python, but aren't sure why you should do this, here are ten reasons to highlight the benefits of learning Python. Although the questions who asks that i.e. for a beginner python learning makes sense the simple and main reason for learning Python is simplicity. Similarly, for an experienced programmer who strives to go into data science and machine learning, learning Python makes sense because it quickly becomes the most commonly used programming language, and there are powerful APIs and libraries available for AI, Data Science and Machine Learning. Anyway, without any additional ado, here are my ten reasons to learn Python for Software engineer:1. Data scienceThi is the only, biggest reason why many programmers learn Python. I know many of my friends who are bored with Java programming jobs at investment banks are learning Python from Udemy to have a career in Data Science due to exciting work and high pay. But what makes Python the preferred language for data science and machine learning? Wasn't R considered the best not so long ago? Well, I think the libraries and framework Python offers, like Pandas, PyBrain, NumPy, and PyMySQL for AI, DataScience, and Machine Learning, are one of the reasons. Another reason is diversity; Python experience allows you to do much more than R as you can create scripts to automate stuff, go into web development, and much more. If you are interested in becoming a Data Scientist and looking for indicators, I suggest you check out Data Science, Deep Learning, & Machine Learning with Python trick on Udemy. I have purchased this trick, and it's one of the awesome resources. You can get it for less than \$10 sometimes.2. Machine LearningIt's another reason why programmers learn python. The growth of machine learning has been phenomenal over the past few years, and it's quickly changing everything around us. Algorithms become sophisticated every day; the best example is Google's search algorithms, which can now respond to what they expect. There are Chatbots around to answer queries, and Uber is completely driven by Algorithms.If you're interested in machine learning, want to do a pet project or just want to play around, Python is the only main programming language that makes it easier. Although there are machine learning libraries available in Java, you'll find more content around Python as the development community prefers Python to data science and machine learning over everything else. If you are interested in doing web development in Python, I suggest you further check Machine Learning A-Z™: Hands-On Python & R In Data Science Course at Udemy3. Web developmentA good old development is another reason for learning Python. It offers so many good libraries and frameworks like Django and Flask, which makes web development really easy. In PHP, it can take hours to complete a task in minutes on python. Python is also used a lot for web culling. Some popular websites on the internet, like Reddit, are built on python. If you are interested in web development using Python, I suggest you join python and django full stack web developer bootcamp course by In fact, there is a free Python course udemy that teaches you how to teach python.4. SimplicityIt is the single biggest reason for beginners to learn Python. When you first start programming and coding, you don't want to start with a programming language that has hard syntax and strange rules. Python is both readable and simple. It is also easier to create; you don't have to deal with classpath issues like Java or compiler issues like C++. Just install python and ready. During setup, you'll also be asked to add Python to PATH, which means you can run Python from anywhere on your pc.5. Huge communityReal needs a community to learn new technology, and friends have the greatest value when it comes to learning programming language. You often get stuck with one or another issue, and at the time, you need a helping hand. With Google, you can find solutions to python problems in minutes. Communities like StackOverflow bring together many Python experts to help newcomers.6 Libraries and frameworks One of the similarities between Python and Java is the sheer number of open source libraries, frameworks, and modules that can be accessed to do anything. This makes application development really easy. Just imagine that you create a web application without spring Java or Django and Flask python. This makes the job simple as if you just need to focus on your business logic. Python has many libraries for different needs. Django and Flask are the two most popular in web development, and NumPy and SciPy are Data Science.In fact Python is one of the best collections of machine learning and data science libraries like TensorFlow, Scikit-Learn, Keras, Pandas, and much more. If you want to learn more about Python machine learning libraries, I suggest you join the Python data science and machine learning bootcamp course, one of my favorites.7. AutomationWhen I first got to know Python, it was due to one of my script needs. I was working with an application that receives messages through UDP and there was a problem, we could not see the messages in the log. I wanted to check if we get any UDP traffic to the box and whether the port or not, but I could not find a handy UNIX command to do so. One of my friends sitting next to me studied python and in just 5 minutes wrote a utility to intercept UDP messages using one of the Python modules. I was obviously fascinated by the time it was to write such a tool, but it just highlights the power of Python when it comes to writing scripts, tools and automating things. If you're serious about knowing how much Python helps with automation, my favorite place is Automating the boring things in Python book, simply awesome book.8. MultipurposeOne of the things I love about Python, the Swiss Army Knife It's not tied to just one thing, e.g. R, which is good for data science and machine learning, but nowhere when it comes to web web Learning Python means there's a lot you can do. Django and Flask, NumPy, Scipy, Scikit-Learn and NLTK can help you create your web applications. You can write scripts at least by using Python to automate most of your daily tasks.9. Jobs and GrowthPython are growing very quickly and over time, and it makes a lot of sense to learn a growing programming master programming language if you're just starting your programming career. It not only helps you get a job quickly, but it also accelerates your career growth. IMHO, for beginners, after simplicity, this should be the most important reason to learn Python10. SalaryPython developers are one of the highest paid developers, especially in data science, machine learning and web development. On average, too, they're very well paying, ranging from 70,000 USD to 150,000 USD depending on experience, location, and domain. If you're interested in learning more about high paying technology jobs, I suggest you check your previous post for ten of the highest paid technology jobs in Software Engineers.Useful Resources to Learn PythonIf you decide to learn Python, then here are some useful Python books, courses, and tutorials to start your journey through the beautiful world of Python.And if you're still not convinced learning Python will look at this picture , correctly shows the life of a Python developer.This is all about some important reasons to learn python in 2020. As I said, it's important to know programming and coding in today's world, and if you don't know the code, you're missing something, and Python is a great way to start learning code. For programmers who are already familiar with Java or C++, learning Python not only makes a Polyglot programmer, but also gives you a powerful tool in your arsenal to write scripts, create a web application, and open doors to the exciting field of Data Science and machine Learning.In short, if you could learn only one programming language, you could make Python, and first of all, complete Python Masterclass is the best course. Other programming articles can be like Closing NotesThanks, Made it to the end of the article ... Good luck with your Python journey! This is certainly a big decision and will pay a lot in the near future. I also shared some resources to learn Python data science, machine learning, web development, and general scripting work, so take advantage of this. Btw, I can get paid if you buy a course that is not free with links in this article. If you like this article, then please share it with your friends and colleagues and don't forget to follow javarevisited on Twitter and javinpaul on Medium!P. S. - Do you want to become a python developer in 30 days? If so, you can also check out the month-long Python course at Chris CastiglioneP.P.S. - If you need some free resources, you can check out this list of Free Python courses to start your programming Journey.Join At noon, create your free account to explore your custom reading experience. Experience.

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