#100DaysofCode

#Day0

After a series of long procrastination, today I have finally summoned motivation and enthusiasm to start this challenge as a initiative of College AskMitra. Thorough out this challenge, I will be learning Machine Learning with Python. I will learn basics of Python and excel them within first 15 days (will this be enough or excess, please suggest) and after that I will get into ML. There’s a lot of content just in Python so I am a bit confused on what shall I learn before getting into ML.

Today on Day-0 , I gathered some resources, I have decided to go along “Python Programming Tutorial-Tech with Tim”, “learnpython.org” and is looking forward to your suggestion on possible and more helpful resources. I want to spent less time on watching tutorials and more on actually writing code, so suggest me a place where I can solve problems from a very beginning. I will not hesitate to ask for any help if I need in the process.

Happy Learning.

Integer division:

# Month 1 - Research what you want to build to pick a programming language. - Learn the fundamentals. - Do exercises, Solve problems, Do assessments & Practice writing code.

# Month 2 - Object Oriented Programming (OOP) - Practice writing more complex code.

# Month 3 - Work on a project. - Do exercises, Solve problems, Do assessments & Practice writing code.

# Month 4 - 6 - Advanced programming concepts. - Explore how other programming languages work. - Operating System level concepts. - Work on harder practice problems.

# Month 7 - What is good programming. - What are good programming habits. - What is clean code. - How do I make my code easier to read & understand by others. - Read other people's code. - How is other people's code organized. - Git & Github

# Month 8 - Start using another language (One that's not similar to your primary language).

# Month 9-10 - Data structures & Algorithms - Programming Mathematics - Computer Architecture

# Month 11-12 - Modules & Packages - Fun project - External packages - System Design - Do exercises, Solve problems, Do assessments & Practice writing code.

**Basics to master:**

* [1 - Introduction](https://www.programmingexpert.io/programming-fundamentals/introduction)
* [2 - Data Types](https://www.programmingexpert.io/programming-fundamentals/data-types)
* [3 - Comments](https://www.programmingexpert.io/programming-fundamentals/comments)
* [4 - Variables and Printing](https://www.programmingexpert.io/programming-fundamentals/variables-and-printing)
* [5 - Console Input](https://www.programmingexpert.io/programming-fundamentals/console-input)
* [6 - Arithmetic Operators](https://www.programmingexpert.io/programming-fundamentals/arithmetic-operators)
* [7 - Type Conversions](https://www.programmingexpert.io/programming-fundamentals/type-conversions)
* [8 - Conditions](https://www.programmingexpert.io/programming-fundamentals/conditions)
* [9 - Compound Conditions](https://www.programmingexpert.io/programming-fundamentals/compound-conditions)
* [10 - Conditionals](https://www.programmingexpert.io/programming-fundamentals/conditionals)
* [11 - Lists](https://www.programmingexpert.io/programming-fundamentals/lists)
* [12 - Strings](https://www.programmingexpert.io/programming-fundamentals/strings)
* [13 - Tuples](https://www.programmingexpert.io/programming-fundamentals/tuples)
* [14 - For Loops](https://www.programmingexpert.io/programming-fundamentals/for-loops)
* [15 - While Loops](https://www.programmingexpert.io/programming-fundamentals/while-loops)
* [16 - Slices](https://www.programmingexpert.io/programming-fundamentals/slices)
* [17 - Dictionaries](https://www.programmingexpert.io/programming-fundamentals/dictionaries)
* [18 - Sets](https://www.programmingexpert.io/programming-fundamentals/sets)
* [19 - Exceptions](https://www.programmingexpert.io/programming-fundamentals/exceptions)
* [20 - Functions](https://www.programmingexpert.io/programming-fundamentals/functions)
* [21 - Mutability](https://www.programmingexpert.io/programming-fundamentals/mutability)
* [22 - Scope](https://www.programmingexpert.io/programming-fundamentals/scope)
* [23 - Math](https://www.programmingexpert.io/programming-fundamentals/math)
* [24 - Sorting](https://www.programmingexpert.io/programming-fundamentals/sorting)
* [25 - Misc. Python Syntax](https://www.programmingexpert.io/programming-fundamentals/misc-python-syntax)