BOSSCODER ACADEMY

Prerequisites for the course

Let's start with some programming basics:

C++

1. Install C++
2. First Program - Hello World in C++
3. C++ datatypes
4. Input Output
5. Operators
6. Loops
7. Loops-2
8. If-else
9. Functions
10. Arrays
11. Strings
12. 2-D array
13. Vectors

Java

1. Introduction
2. Keywords in Java
3. While loop
4. Do while loop
5. For loop
6. For each loop
7. If else
8. Main method in java
9. Data types
10. Arraylist in java
    a. More resources

Python

1. Introduction 1
2. Intro 2
3. Basics
4. String, Lists, Tuples Introduction
5. Strings
6. Strings 2
7. Strings 3
8. List
9. List 2

10. Loops

Problems To Practice

You have to login to these respective websites to solve these problems. You can login using your google account.

1. https://practice.geeksforgeeks.org/problems/odd-or-even/0
2. https://leetcode.com/problems/two-sum/
3. https://leetcode.com/problems/palindrome-number/
4. https://leetcode.com/problems/fibonacci-number/
5. https://www.geeksforgeeks.org/python-program-for-factorial-of-a-number/
6. https://www.geeksforgeeks.org/program-for-nth-fibonacci-number/
7. https://www.hackerrank.com/challenges/simple-array-sum/problem
8. https://www.hackerrank.com/challenges/solve-me-first/problem
9. https://www.hackerrank.com/challenges/compare-the-triplets/problem
10. https://leetcode.com/problems/cells-with-odd-values-in-a-matrix
11. https://leetcode.com/problems/sort-array-by-increasing-frequency
12. https://leetcode.com/problems/intersection-of-two-arrays
13. https://www.programiz.com/c-programming/examples/palindrome-number
14. https://www.programiz.com/c-programming/examples/reverse-number
15. https://www.programiz.com/c-programming/examples/armstrong-number-interval
16. https://www.javatpoint.com/c-program-to-swap-two-numbers-without-using-third-variable
17. https://www.javatpoint.com/sum-of-digits-program-in-c
18. https://www.geeksforgeeks.org/c-program-find-area-circle/
19. https://www.geeksforgeeks.org/c-program-find-largest-element-array/
20. https://practice.geeksforgeeks.org/problems/reverse-digit/0

Some more resources for you to go through for more programming concepts:

- C (3 hours)
- C++ (1.5 hours)
- Java (2.5 hours)
- Python (1.5 hours)
- Javascript (1.5 hours)