**Week-1+Week-2 Recap and Assignment Topics:**

**Below are the topics we covered so far:**

1. Git and GitHub basics

2. Java - Overview

3. Sample Program in Java

4. Java Features

5. Data Types in Java

6. Different Operators in Java

7. Java's Selection Statements - if, nested ifs , if-else ladder, switch statements

8. Iteration Statements - for, while, do while

9. Jump Statements - break, continue, return

10. Programs - Sum of Numbers , Sum of even numbers, Sum of odd numbers, Factorial of a number, Fibonaaci Series, Prime Number

**Assignment Topics:**

1. Go through the programs uploaded here (https://github.com/trainings-weblinxsolutions/batch-dec-2022/tree/master/src/basics) and understand each of them.

2. Complete the GitHub assignment.

3. Practice all the programs in the class and try out new things as well (like exploring the Bitwise operators etc)

4. Go through the theory documents uploaded here https://github.com/trainings-weblinxsolutions/batch-dec-2022/tree/master/src/resources/documents

5. Complete all the assignments given so far, these are mostly to setup and only learn the concepts so should be pretty easy - https://github.com/trainings-weblinxsolutions/batch-dec-2022/blob/master/src/resources/assignments/assignments.md

**On Monday (your Sunday night) :**

1. We will have the QnA session in which I'll be asking questions to each one of you (some theory , some practical)

2. Taking a look at the Github repositories and the programs you have created.

3. Clearing any questions you have.

**Sample questions that will be asked (theory):**

1. Why should we use Java?

2. What are some features of Java?

3. Which command is used to compile,run a java program?

4. What happens when we compile a program?

5. Some questions around git and github.

6. ......and other similar questions. All of the questions will be from the topics we covered in class only.

**Sample questions that will be asked (practical):**

1. Write a simple program to add two numbers.

2. Valid variable names(identifiers) you can have

3. Some questions around operators and what the output will be

4. Questions on if,else,switch, for, while etc..

5. Some basic programs (Factorial, prime number etc)