DAY - 4 SUMMARY

Proposition statements on the basis of mathematical methods:

Propositions are the statements that only give results as true or false and based on different methods propositions can give a different meaning . In mathematics, any statement can be proven true or false. It is known as logical reasoning. It can of types :

- Conjunction
- Disjunction
- Negation
- Implication and
- Biconditionals

Conjunction means, it is a combination of two statements and it works with the method of AND, it works like when both the statements are true, then it gives the result as true, when both the statements are false this gives the result as false, when one is true and the other one is false it gives the result as false.

Disjunction is the one which is totally opposite to conjunction. It gives the result as true if atleast one of the statements is true.

Negation means the opposite of what the condition states. It works like if one statement is true it will give the opposite of the true statement.

Implication gives a conditional relation between the two statements, it is based on the condition statement and the other one which relates to that condition.

Biconditionals means it is only based on the condition, because the condition gives in the **if and only if statement** it means if both are true then true and if both are false then false.

It is more like the logical gates.

Afternoon session:

Different websites to learn javascript:

I got to know about some websites like mdn javascript, leet code, open compiler. These are some of the sites where I can learn and practice javascript code.

A mentor was assigned for me and my mentor told me to write algorithms for different programs. Because it is the basic step for learning programming. I wrote some of the algorithms for example and my mentor told me to simplify them in order to simplify the steps of the code. He said that you have to practice with many

programs and problems to perfectly write an algorithm and if I get perfect in writing the algorithms, I can begin writing code in a simple and easy way.

He told me to learn some basic javascript topics like variables, arrays, string, number, operator, condition, loop, function. This is today's task for me.

Struggles faced:

Today, when I tried to do some problems in the leet code, i can't even completely understand the problem statement given there.

I tried writing algorithms for some problem programs and even there I can't understand the given problem because there are some terms like function and I don't understand them. There are many topics that are hard for me to understand.

Key takeaways:

- I got to know some sites where I can learn programming.
- Also some pages where I can even practice what I have learned.
- Got to know how to simply write algorithms for the problem programs.

Deciding what to learn in the internship:

Frontend and backend developers are two different things. Frontend developers are the one who are responsible for app, website developing and building services like user interface (UI), user experience(UX) of the webpages and the applications. Backend developers are someone who server side logic, databases, application functionality. They ensure data processing, security and smooth operations.

I am interested in learning backend development. because I enjoy solving mathematics problems and it is one of my favorite subjects . One side it will be tough to understand but on the other side problem solving is an interesting process to do. I want to develop my logic thinking skill to become a backend developer.