

## Day 3

Today, the class began by revising what are all the skills required for learning programming or coding and with that I also took some time to revise about the skills which I needed to acquire in the following weeks. And the class continued by reviewing the steps required to approach a problem (problem solving steps) and here I again revised, what is problem solving and how to approach a problem.

What I have learned from this:

- Today, I clearly got to know about how to combine both constraints of the problem and operations of the problem to get the solution which satisfy the constraints. And also, clearly understood that I have work on many problems and problem-solving game to easily approach and get solution for a problem.

Next, class continued with the topic of proposition, proposition means it is a statement which only gives us the answer true or false. Facts are always a true statement so it doesn't be considered as the proposition. Propositions were similar to Boolean statements. I am not a core computer science student, but I have got to know this Boolean statement while learning JavaScript from YouTube channels. I thought of these Boolean statements while speaking about the true or false statements(propositions).

What I have learned from this:

- Propositions and Booleans statements are similar ones. Because both of these statement's answer should either true or false and I have to write the statement which only gives the answer true or false.

Then, class goes around the topic terminals. Terminal can be otherwise called as a CLI (means command line interface). Terminal is an interface or a communication medium between the human and the computer. It mostly works like the remote which plays a role between the human and the television, it helps us to change from one channel to the other channel.

What I have learned from this:

- Here, the CLI itself a new word for me and I don't know what is mean by CLI, by today's session I came to know about terminal and CLI. I got to know that like TV remote, terminal also works on basis of human's command. I have used these terminals only once to install the applications in the laptop. But now I understood what the terminal are really meant for, it is the interface for us to communicate with our laptop or system.

Commands are the instruction lines which has to be short and clear and it has to be understood by the computer. The computer only goes along line by line and read the one-by-one clearly and gives us the response for the command.

Then, the class continued with the topic text editor. For example, VIM editor that is used to create, edit, and manage the text files. VIM editor uses the command “vi” to edit, create and delete the text files.

What I have learned from this:

- I am not used to creating text files and folder using terminals. It is one of the new experiences for me using the terminal to create the text file and folder. So, I google it and used the result to create the text file. From this I have learned command lines like echo, type null, Dir, cd etc. Here I have learned how to communicate with the computer using the terminal. And I have created a folder and inside that folder I created a notepad text file using terminal.

Then, the session continued with the topic GitHub. It is a platform used for version control. And this GitHub is also used to create repositories and that repositories are one which can store our projects and also, we can share these projects and repositories to others using the link showed in while creating the repositories.

### What I have learned from this:

I have only used this GitHub for the naan Mudhalvan projects in the college and after that I don't have any experience of using this anywhere else. So, it was difficult for me use. But I have created a repository where I can upload my text file that is created using terminal. But that text file has to be uploaded through the terminal and the commands are also given for me to upload the text file in the GitHub. But finally, after all the struggles I have uploaded my created text file into the GitHub.

### ***Struggles faced:***

Today, I have faced struggles like, I don't know how to use windows terminal and don't know what are all commands that is required for creating a new folder and text file. But I overcome this and created a new text file.

And next one is pushing the text file into the GitHub. I have already given with the commands that are required for uploading process. But still there is an error coming while committing the file in the terminal. I have cleared this problem by using google and then after clearing the problem, I have redone the process and try to upload my text file into GitHub and it still says the repository is not available and for this problem, I googled it, but still the problem is not cleared and I don't know if it's my laptop's problem or not. But then, again I redone the same process after refreshing the laptop and then it works. The text file is finally uploaded to the GitHub.

### Key takeaways:

- How to use terminal.
- How to create folder and text file using terminal.
- How to use GitHub.
- How to push an existing folder into GitHub using terminal.

