Day 2.

Its my second day in Surf Board payments. I was very excited about what they are going to teach today and what new I'm going to learn. First we recalled what was taught the day before followed by solving a 8 puzzle problem.

When we were asked to solve it, our first thought is to get a pen and paper and solve the problem step by step. I took so long for us to solve it using pen and paper. We didn't thought apart from solving using pen and paper. The lesson I learned here is that solving cannot be done by writing alone, there are other ways to solve it. In this puzzle we can just make a 8 block of paper with number on it, by using those the problem can be done quicker and easier. This exercise taught me the importance to think other way to solve the problems. In simpler words "Think out of the box".

After that we were solving a Sudoku, the constraint here is to fill the grids with numbers with no repeated number either in a row or column or smaller 3x3 box. Understanding the problem and following the constraint in essential to solve any problem. To solve this problem in better way, we should analyse the problem rather than running into filing the missed numbers in each boxes. In this game the one of the strategy that was very useful was to identify the 3x3 box with have more numbers filled in. Solving the less empty space section makes easier to solve the puzzle. Once that section is completed we move to the next lesser empty spaces and repeat the process. By solving like this the problem can be solved quickly and efficiently. From this I have learned that simply solving a problem is not efficient, first analyse it then find the better way to solve it. I'm not good at solving sudoku, here after I'm going to start learning tricks like this and try to solve more sudoku problems.

Then we asked to solve another puzzle called crossing the bridge and given with a set of constraints. The objectives was to cross all the bridges without repeating any and were allowed to cross the bridge once. I stared to solve the problem and struggle to solve it. Then they told that it can be solved easily there is a mathematical way to solve it.

In the Afternoon session I learned about how the company's way of solving the problems. One is Brute Force and the other is Algorithmic approach. We had a opportunity to meet the people working in the company and had a conversation with them. Many other company's does not allow to interact with the seniors during working hours but here they asked us go feel free to speak with the seniors with hesitation. I had a conversation with few seniors they were very humble and told us about how the company works and at which domain they were working. Also, they explained us how it works in practically. I have learned about what are the products they developed and one gave a short intro on the Statistics he made and what all the tools he used to do that. I heard about the superset tool similar to tableau. One of the senior who is working in the back end on Node.js explained about the App he is used and also explained if there are three components if one failed to run but other components runs anyways. He told what this process is called but I could not remember. From next time I Should take a notes on what they are telling.

I learned that I need to put my one hundred percent effort on learning new thing and should try to attempt everything. I have learned how to approach a problem. The first step is not to avoid the problem, next is understanding what is the problem clearly. If I didn't understood the problem at the first time, I have to read it until I getting it understood. Then I should understand the given constraints and finding out the list of steps to solve the problem.

On the first day I was frustrated by seeing the seniors working on with lots of coding. I don't know how I was going to learn everything. Once I met them, they explained us all this will be easier when

you get the complete understanding of these. We will guide you to understand it in a better way. I realised that I should be consistent and do my work to get better.