In December 9th, I started my practice in dagang oil field to enhance my coding level. During this practice, I’m going to learn how to clean, analyze data and how to create my personal website. Before I started this practice, Mr.Ren, my leader, told me to buy a Cloud Server. However I didn’t communicate with Mr.Ren about what should I prepare or which server is better for my work. So, I brought a wrong Cloud Server when I meet him. During the meeting we talk about the importance of communication: it could save time by avoid mistake, increase the efficiency of our work and cooperation.

In December 10th, I started to build a working environment: the company I practice is belong to CNPC(China National Petroleum Corporation), so all the computers used here need to install the security system. when I install the security system, I met a problem that the computer was crashed when I installed the security system, this might be related to the network problem, and I solved this by reinstall the system. I also sign in to GitHub and CSDN(seems like GitHub in China) to get the code source and upload my code there.

In December 11th, Mr.Ren give me my first mission: use a python to draw a picture of an one hour engineering data, find the maximum, minimum, average and the normal distribution of this data. After I make sure what should I do, I started search difference frame, and some program to finish my work. At first, I think the y-axis which belong time should be show as ’30:14’, and I used datetime and numpy frame to do it. However, after vain trying for a whole day, I decide to use second without minute:second to show the time because I couldn’t finish this work.

In December 12th, I’m keeping focusing on drawing graph for Mr.ren’s data. I already found how to draw it by matplotlib yesterday, now I’m tried to make the picture cleaner. At the beginning I think the reason is this picture has too many data, and my computer doesn’t have enough pixels to show them. So I write a code to add a zooming function to this picture. After I add it, I found the problem is there are more than one data for every second. So, I test this data and find it has 480000+ data, which is too much for an hour. I test the data again, found it include many first hour data. So I just change my code and make it load the first one hour data.

In December 13th, which is the last day of this week, I got a cough, and I started my practice again in December 26th.

In December 26th, I fix all the problems I find in my program, and now my program could read the data and give the maximum, minimum and average number of it. And you could choose which picture you want: the normal one or the normal distribution one.