Friday 14 February 2025

Modern computers are all based on Von-Neumann architecture; that has last for decades since 1945 and presumably won’t be changed in the future. Many believe that every softeware engineer can assemble a personal computer with components. Whereas, contrary to popular belief, a developer is not necessarily be able to do that job. ~~Because~~ writing programme is one thing, assembling a sophiscated PC is another.

A few days ago, my father asked (me) to buy a new computer since the one he had been using for many years could’n not start. Why don’t I build one for him? I asked myself. Making hands dirty is an effcient way to learn. But it was not easy to finish the task. At the first day, I thought it wouldn’t take too much time since all the parts were ready. At least, a computer consists of a CPU, a motherboard, a memory or more, a graphics card, one or more disks and a power supply. What I should do was to assemble them in a chassis. Unfortunately, the interfaces of memory didn’t match the ~~the~~ motherboard. Neither did the disk. So I returned them and purchased another ones. Then come to the second, I read manuals thoroughly and check if all the items were ready. About one hour later, a new personal compter was born and it started successfully. All the hardware were connected by then and an operating system should be installed in it. However, this job was unexpectedly diffcult when I was trying to do it. After about two hours’ strenuous work, Windows 11 was runing in my father’s new computer.

General speaking, though it cost too much time to assemble the computer, I felt fulfiled when I saw the beautiful succinct desktop on the screen.

***Improved by my tutor***

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