Weekly Report July 1,2018-July 7,2018

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Abstract

In the past week, I made some progress in the learning of the syntax of python. Except from installing some basic software such as VMware and Texworks,I focused on some further learning on C++. Due to some reasons (the present learning on C++), the formal start of my AI(python and Algorithm)learning maybe delayed for 1-2 weeks, beacuse it may be good for learning when big parts of free time is available.

1 Current State

1 basically grasped the virtual function and the usage of derived class,thus learned to use deep copy

2 learned the pointer operation and primary linked list in c++ language

3 basically learned the syntax of python(Exercise 0 of *Learn the python the hard way*

4 the usage of LATEX

2 Knowledge learned in the past one week

2.1 virtual function and derived classes

virtual function and it's inheritance can be of great use in creating classes,so i learned its defination and operation.

2.2 pointer and linked list of C++

Espicially i learned about the use of vector array of C++,which shows in its efficiency when adding a element at the beginning or the end of the array.But it also has some disadvatages, for example, when adding a new element ,a new address of the whole array will be redefined, adding to both of the time and space complexity. I think it may take me a while to totally use it skillfully.

2.3 basic syntax of C and python language

I suppose that i would be important for me to enhance the basics.

2.4 the usage of linux

I downloaded the VMware and learn how to do some certain operation by typing orders in the linux terminal.

3 Plan for the Next Week

1 Finish excercise 1 and 2 of *Learn the python the hard way*.

2 Learn more about the inheritance and object-oriented coding.