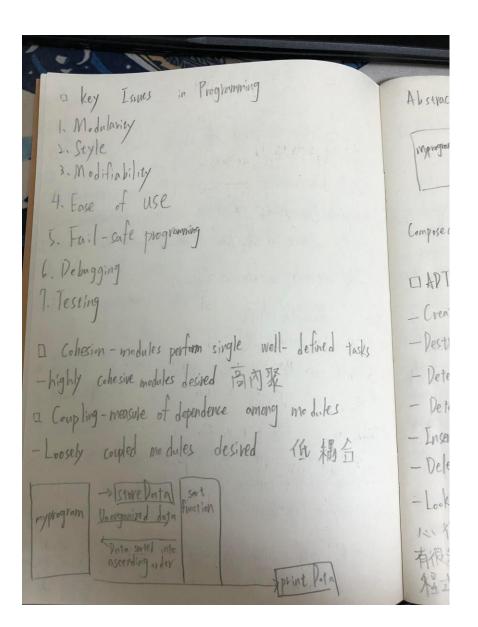
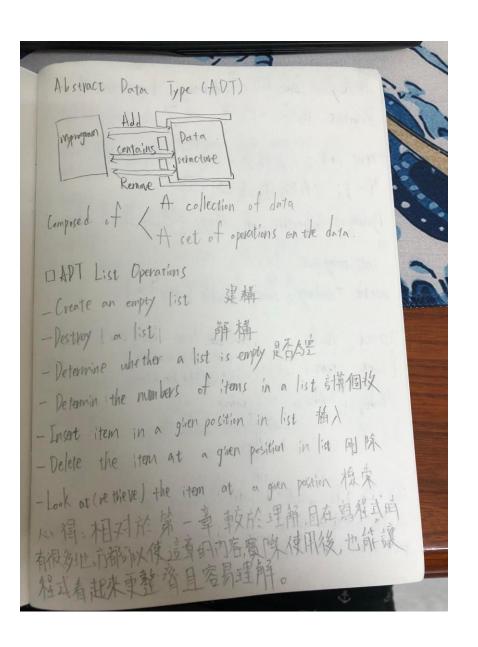
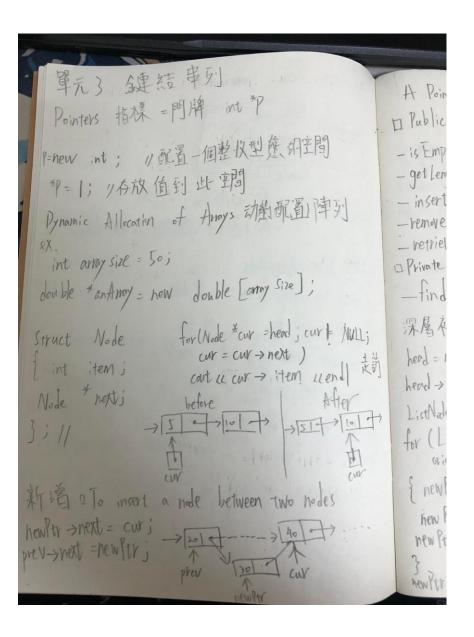
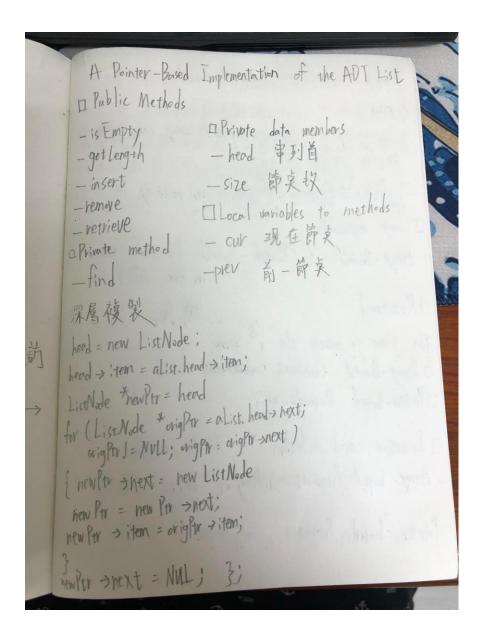


單元二 資料抽象化 A class combines Attributes (characteristics) of objects . Typically duta . Called data members a Behaviors (operations) . Typically operate on the data · Called methods or member funtions characteristics Three O Encapsulation 封裝 · Objects combine data and operations · Hide inner detials U Inheritance 总能承 · Classes can inherit properties from other classes · Existing classes can be reused operation at object an determine appropriate execution time.









Array - Based vs Pointer - Based 心得 串列 - Increasing the size of a resizable array can waste 智學作 Storage and time 致不 -Linked list grows and shrinks as hecessary 加班 [Strage requirements Array - Based L Pointer - Based for each item in the APT. 1 Retrieva The time to access the ith item a Amony-Based: Constant (independent of i) 1 Pointer-based : Depends on ; I Insertion and deletion 新培/删除 - Array - based: Requires shifting of data 特致物 -Pointer-based: Requires a traversal 美新

心得·在大一計算机械充論課程中,鏈結事可是讓我有印象深刻明之一,一開始學習到會實得有美國難買做,常常會將節矣亂接而等致不知道程式嗎哪裡有錯,但後期自己也越加速解軍作,反而成為我其中之一擅長的單元。

單方十 以遞迴解題 Alge The Basics of Crommors DIn (number > = Ldigit > Znumber > | Ldigit > -An o (digit)=011/2/3/4/5/6/7/8/9 日日 [Laddition > = Edigit > + Laddition > | Edigit > Ldigit > = 0/1/2/3/4/5/6/7/8/9 [(identifier) = Letter > | Lidentifier > Letter > |
Lidentifier > Liden . [] IP. Letter = albl.. | Z | A | B | ... | Z | DE I Recognition algorithm isPal (w: string) ; boolean Li if (w is empty or wis of length) 空字串 or 單一方 return the; 401 else if I w's first and last one same letter) D return is Pal (w minus first and last) else return false;

Algebraic Expressions DInfix expressions 中序運算式 An operator appear between its operands D Example : a+b 口Prefix expressions 前序建氧式 - An operator appears before its operands · [] Example: tab I Postfix expressions 後序軍第寸 - An operator appears ofter its operands I Example: abt Linfix >= Lidentifier> Linfx>Lopentor>Linfix> 中建其式 (operator)=+ |- |* / D. Advantages of prefix and postfix expressions
-No precedence rules 優先權 _No printheses 措施 -No association rules 结合体

前序 Determine the end of a prefix expression Conve erd Pu (in first i integer): integer ch = f (ast = strExp. length ()-1; Delete if ifirst L o) or (last L first) if (ch return -1; Po ch = str Exp [first]; else if (ch is identifier) Leturn first 60 else if lah is operator) po {first End = end Pre (first +1) if (first End >-1)
Letuin endlie (first End+1); 1:1 else return -1; 64 return -1; olse 玛 前序轉成後序
convert (insut pre: string, out post: string)
ch = first character in pre
Delete first duar in pre
If (ch is a lauercase letter)
post = post + tch
else
{ convert (pre, post)
convert (pre, post)
post = post + ch
}

M4: 這是我第一次得知有前序和後序運算式
外对於這單元還不是那麼熟悉,但能夠
理解一些基礎以及如何運算,而像是將前序
轉為後序還是有些地所不懂,也另能多有多聽。

轉為後序還是有些地所不懂,也另能多有多聽。