

課堂習題之要求

- 必須依照限制
- 必須使用函式
- 要減少全域變數
- 指令內避免出現常數(#define)
- 風格包含(A)變數名稱，(B)縮排，(C)程式結構，(D)註解，(E)簡潔計算

Ex3: variable array (Structure and pointers)

- The memory of array should be obtained by malloc with only one cell initially.
 - Double size whenever insertion-on-full
 - Alloc double size, Copy the current data, and then Insert the new data
- Each record has three fields:
 - char name [16]
 - int age
 - enum {female, male} sex
- The input is like “Peter Wang”, 35, female
- Each line of the input is a record to be inserted
- Output:
 - After insertion
insert record, name=XXX, age=NN, sex=male;
 - When insertion-to-full: output message “queue/stack full, allocate double size NN”