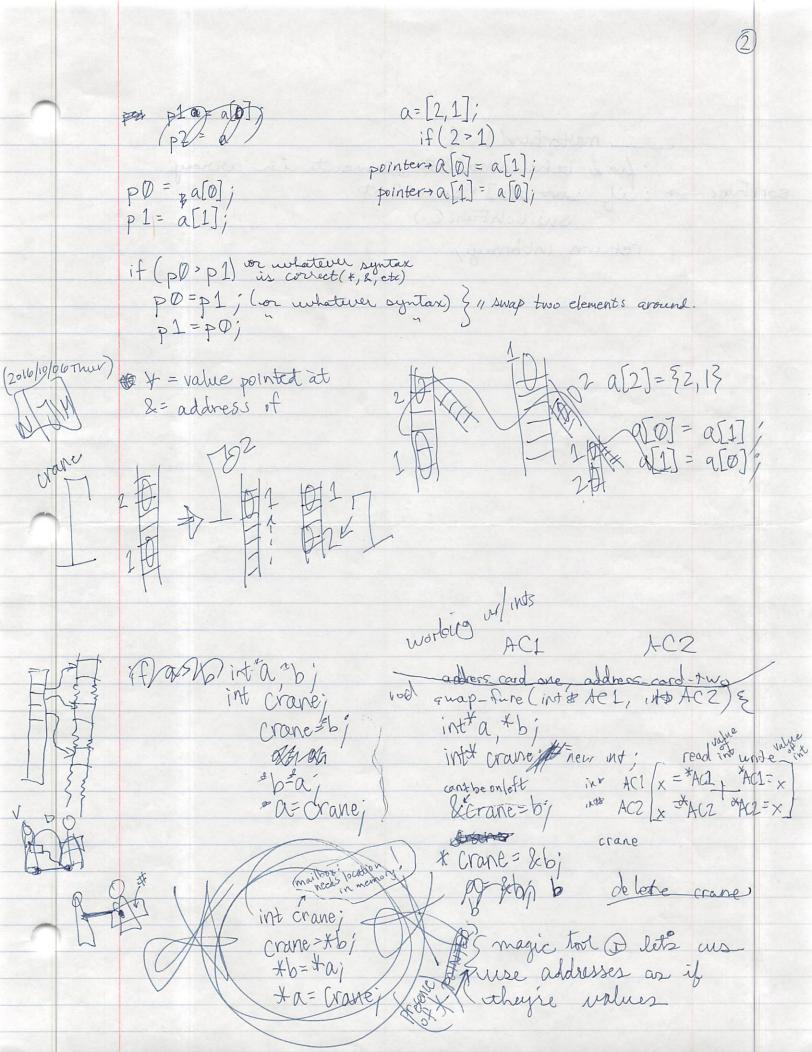


 $0 = \begin{bmatrix} 3 & 3 & 2 & 3 & 4 & 5 & 6 \\ 3 & 7 & 7 & 7778 & 1779 & 1780 & 1781 & 1782 \end{bmatrix}$ int counter=1; void move (int *array, int length) { int counter=1; if a[i] > a[i+ counter] Q[i] = a[i+counter+1]; //no, what would reassign the value!

R. i = i + counter+1; Lwant to treassign the tender. 3. i=i+counter+1; veroute try -1, 0, 1 and other see if I can leverage winto anything functional if other func? for (i) { if (i = = +1)"ultimately I continue to be unsure do this; con how to rearrange elements of clse if (i == -10-1) an array. Perhaps reasseguing ale pointer to a new address? But do this; clse if $(i = \emptyset)$ how is & actually done? do nothing; also 19 bubble bort for refrence -> perhaps have i compare Cout <= "bork" /n" itself down the line ! Keep floating towards the Gright until its (the clargest. move right, compare to iz . i4 ... In $if i_1 \leq i_2$ stay in place int counter = 1) if (a[i] > a [counter]) move right, counter ++; // keep going For counter < A_SIZE else if (a[i] = a[counter]; stay in Place; break; // when move onto next is



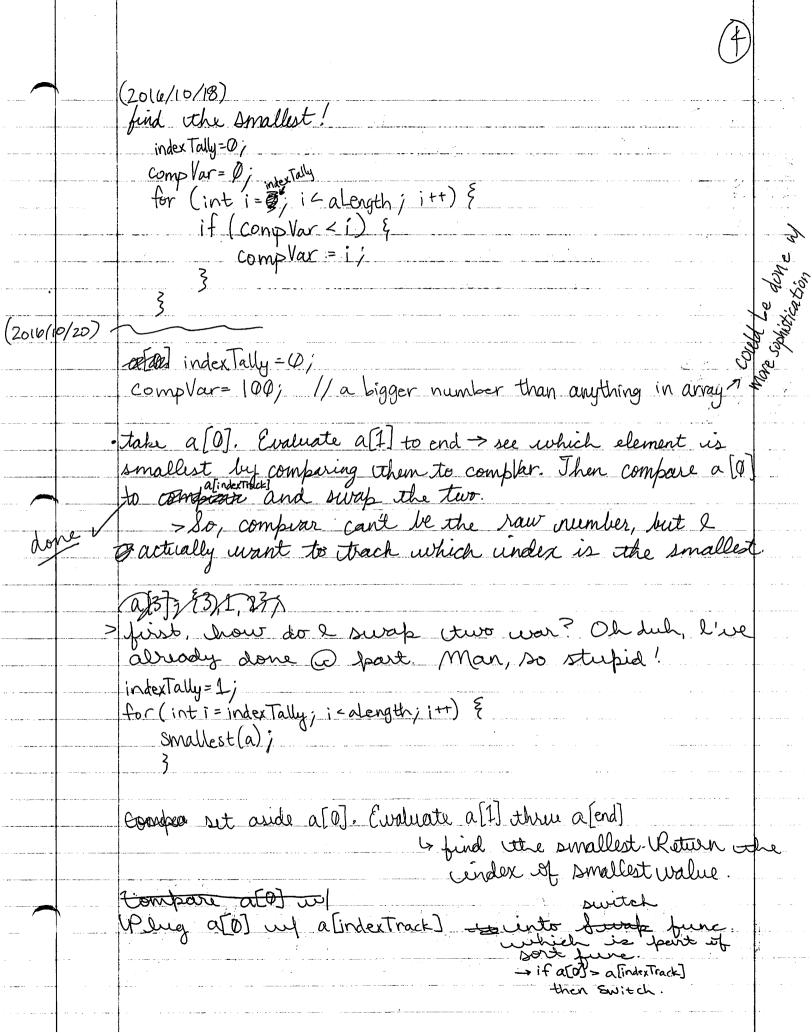
masterfund) { · find the smallest element in array
· if se a[x] > smallest

SwitchFunc() Sort Funcreturn inthray;

12016/10/18 25 -52 17 91 38 12 Scan array, look for smallest #, put Pat make @

index 0 increment index Tally ++ Scan array again, look for second smallest, put @ index Tally (index 1 in this case) index lally ++ Should I Sort elements of actual array, of pointers, of array copy? Unknown indexTally = 0; compartar=0 eindex Compare to a [indexTally = 0] to values of each other index in array - if any are smaller. Swap them now Start @ a[indexTally=1] -> do the compare & swap.

for last x elements, find smallest and place it at a [length-x-1] repeat for x=x-1 Void switch Func (int * pA, int * pB) } int crane = * pB; * pB = * pA; *pA = Crane; int * Sort Func (int * int Array, int array length) } if (intArray[0] > intArray[1]) { SwitchFunc(&intArray[0], &intArray[1]); return intArray; int smallest (int * array) ? int complar = 100; int indexTrack = 0; tor (int i = 0; i < 3; i++) { if (complar > array[i]) } complar = array[i] indexTrack=ij return indexTrack; asint a[3] = {3,2,1};



thinking about Sagan's raw wonder and delight at the glory of life and learning gets me hot. OK, I need to find a weey to look through smallest for loop until im all whe way Utrough the away... taring the second section of the section of the second section of the section of the second section of the section of the second section of the second section of the second section of the section of و و الهواليون الكولون المنظم المنظم المنطقية المنطقة المنطقة والمنطقة المنطقة المنطقة المنطقة المنطقة المنظم والمنطقة والمنطقة المنطقة

BENNT.

how is this new pen at writing? The ink look and feel are exactly as I would expect - the pen is a little abyorty different. Fun and new and just a little different!

2016/10/24 find a way to place beginning of smallest() frenc at a length-x-1, and keep shortening & length until I've iterated three whole array. a= 1,2,3,4,5,6 hold onto under O, and run index 1 three 5 through smallest() fune. I then I want to compare ap to asmallest using sortifue and maybe switch Func. then t+ index by 1 (index 1, now) and hun the whole machine again. do this junk Hon atrack ++; Swhen (aTrack = & ALENGTH) { break) for (aTrack = 0; aTrack = ALENGITH; aTrack ++) } smallest(); Sort Func(); Switch Func () jacobs 1801 A. E. S. I. atrack+t/

2016/10/31 Monday So I'm increasingly internalizing what my code is doing by default. If (but try to Sort this array: $\alpha \gg 1$ $\alpha [4] = \frac{5}{4} + \frac{3}{3} + \frac{3}{2} + \frac{3}{1} + \frac{3}{1$ then I end up w/ this result: 13,2,1,4) -> the first element compares itself to index 1, then swaps places; then w index 2, then 'swaps; then i3, & swaps. It iterates & Compares through & swaps through the whole array. So, as I extend my sorting/ swapping, I need to Shorten up from the end of the array, not the beginning. (Instead of indextally++, it should be end Of Array -- or something). 4321 3 expected outcome - 3214 } but 3241 -> 2314 3214 3 expected outcome -> 2134 } but 3241 -> 2314 (inpul have expected 2341 outcome) I should make an attempt to more fully understand what's happening here > maybe @ will led itself to me discovering next steps? >> current code ion't even using smallest() func <- $4=33,91,2,45 \rightarrow 33,2,65,91$ 3, 9, 0, 4 -> 3, 0, 4, 9 (same result as above) $4321 \rightarrow 3,2,1,4$ is moves progressively to end. $3214 \rightarrow 2,1,3,4$ il moves progressively to 2nd-to-final place, then stays put $2143 \rightarrow 1,2,3,4$ unexpected iD&il swap; 12&13 swap 1432 -, 1, 3, 2, 4 ip stays in place; i2 moves progressively to the end of array. ~ fingly 1234→ 1234 all indices stay in place 2314 2341 → ealinh / i0 & 11 stay in place (in order already); i2 & i3 swap 3124 3412 → io stays put, i1 moves progressively to end betsegranu 4123 -> 1234 it moves progressively to end 4 (ie, highest inumber) seems to be doing something special, " with #'s sometimes surab, sometimes done."

2014/11/01 take a[0] & a[1], compare the two, when swap when if take a[1] & a[2], com us rinse and vielent take a[2] & a[3], ditto tah a[3] &a[4], ditto is with with this setup, some smaller #'s may get sorted correctly, but sonce I gets caught in the sorting machine, it stays where, whe largest # in the array wentually stays stuck in the Dorting machinery. This means, long story short Din whis setup, 4 always gets sorted to the und of the array. Now live got to find a way to rinse and trepeat this whole mess so @ all the numbers get sorted BUBBLE appropriately. LINE 19 -> teven into separate fun -> so 1885 De can change logic depending on the watere of what's being sorted. LINE 17 - Create during war to tally bachwards as who array is looked through, and she were it to creplace array Longth-1 2016/11/02 Play un sorting wither types of walues test, multi-dimensional array, etc -> not just hald Make it so & compleyer Func > so & I can change @ func argument depending con what type of sort we need.

21.9cm/85/0 = exact width of fujitsu > for yearbook slicing: 1) pass func as argument > research. (n helder other) mounts us fune pointer parentheses mother - different from typecast by configurations.

Read more about borting algorithms I try to create ale sorting algorithm I voriginally void func (void (*f)(int)); 2016/11/04 and the control of th garden and a second of the second and the second a - Catharden Marity - a contact for a figure of the state

SOURCES ON ALT-RIGHT/CONSERVATIVE (SMART) LESS WRONG 2016/11/10 Where do I place the pointer and where do 2 place the certical frenc? > It seems like pointer should go to Inigher-level fuce arg, and actual fune should go to Main. But added confusion ble of all the const void and type casting. Idded confusion! I suppose I could simplify the whole process of more literal fulco, but since I don't fully understand the abstract examples it seems to make it difficult to translate to literals. and goort dosn't seem to use pointer func in same way & Wiki ex does. So how does a work?! does goor & have enternal hidden magie? a = [1, 2, 3, 4]meada fintia Int add (a, ALENGTH) & tor (int i = 0, i = ALENGTH, i++) } rotura[i] + a[i+1]; 3 int sum=0; sum += a[i]; return Sum; Mext step > have secondary func defend on

phinc, then call secondary func in main

ar { Next & next step: turn pointer fune unto void

pointer; translate what I've done to Sandbox 00;

man puncs more closely match 95077

```
2016/11/15 deconstructing govt (?) can it be done?
      the void goort (void * base, size_t num, size_t size, int (* compar)(const void *, const void *));
 example > void goort (a, ALENGITH, size of (int), compare);
              int compar (const void * p1, const void * p2);
                    compareMyType (const void *a, const void *b) { {
if (*(MyType*) a < *(MyType*) b) {

return -1:
                          return -1;
                    } if ( * (MyType*) a == * (MyType*) b) {
                    return 0;
} if (*(MyType*) a > *(MyType*) b) {
                      return 1;
             int compareInt (const void * a, const void * b) {
return (*(int*)a - *(int*)b);
}
example }
                   compareInt (const void * a, const void * b) { if (* (int*) a > * (int*) b) {
                    return 1;
} else {
                    return Oj
```

> What are differences bluer good code & what I wrote ? itself sittere isent a middle step; crather, the frene itself is all word, which allows it to be generic corough to not need a generic middle ground (maybe??). a working Theory. int add (const void * army const void * langth & for (int i=0; 1 = + (int *) length; i++) { sum += * (int *) array [i]; Drest steps - think more through Tronnections between good style & what Live got now What are differences; Can I translate betwo different sets Of code? Jim seems to which · Micro beginning step: create self-contained printing fune Sandox 11 cp - unstead with creating all a clitter in main(12016/1/16) hour do they compare 1rt need any args passed?

- args are word const * -> undefined, renchang - undefined, unchanging for Domething... doesn't unatter

the respond element is the whole to hope the whole the world at hinge & hipself is weighted the winder of the wind in the wind in the single of the first of the head them in the same spot then take serviced there is seend bread water whom is tremele tout of roughber at ti resolves Go through my wiray. take first slowent and Compare Logi'c (} (++4 \ 1-Agradu > 4 \ 0= 4 +ni) rot. Obes, effect like sort Func in Sandbox OB, App Sandboxog. Ap Sandboxog. "Version garound, playing around, "... Litremman h Fin () nion in bedard statem, now tribbusqub) ai shirken + smy restano at truad puldring guess, her dass this internal "compare" was stay generic, yet also apply adapt the updated interchargents "compare tempore" interchargents "compare tempore" in main (); "Hushales "compare tempore" Should down I wanted internet your Should down is familiables internet variables this superior of the down internet into stangers of superior of super int * sorttunc (int * intAmay, int alength, compare) { @ sunt feraloses stood at such were to boundings - flex now all at bereaffure in upol pritters of gent internals to work youeparly. were fourted we good , olong by internol magnes restor ste for enor now abasque achoured ti

SORT Func (curray, ARRAYLENCITH, Comparellinter), who ther complegic as neated

3 () nipm Ini

>> Future Action Steps > continue to demistify goort -> any way to mushup w/ modify into bubbleNest ?? micro-assignment?

Create array of Letters & print it : Inspiration: Bernie's Revolution Started w obscurity and had zero funding, but it Struck a cord w American young people and seems to be going places. Bernie is far from the most intelligent, chanismatic, skilled, but he's definitely a hard worker and has passion. Micro Steps; should I be so lucky! ニニテニ pointer function passes who same arguments rested in Other fuctions

- Levet my comp logic function depends con
elements of the array, How can I make it more
generic, or otherwise a better mulitool upmy
more generic unterfaces up other functions? how does goot/comp Pointer know what to do? Black Bores 12016/11/17 // acting switch Switch func () crane, var A, var B; // switch logic > A depend on nature Compare Func () 11 of what's being sorted. if A>B > // nitty-gritty insides of sortFund bubbleNest() iterate through carragelis Shorter Var (even shortening army. if (point to compare Func) mo switch Func Short Shorter Var --; sort Func () // outer shell of sort function iterate through array length-1
perform bubble Nest in side this iteration return Sorted array; // main! int main () } define ARRAY LENGTH; define array call Sortfunc print the results return Ø; 18,6,4,2,1,3,5,7,9 is even? logictunc sort desc. ; sødd? Sora ascend.