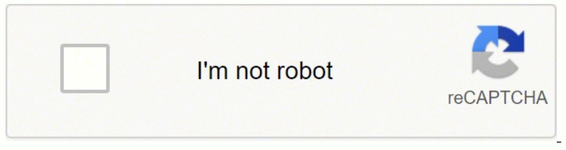

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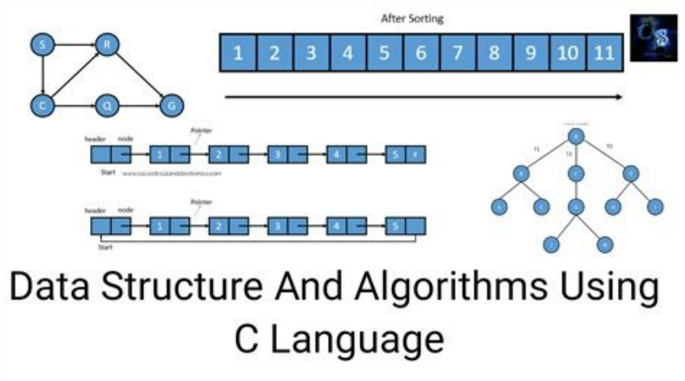

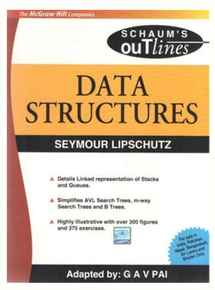

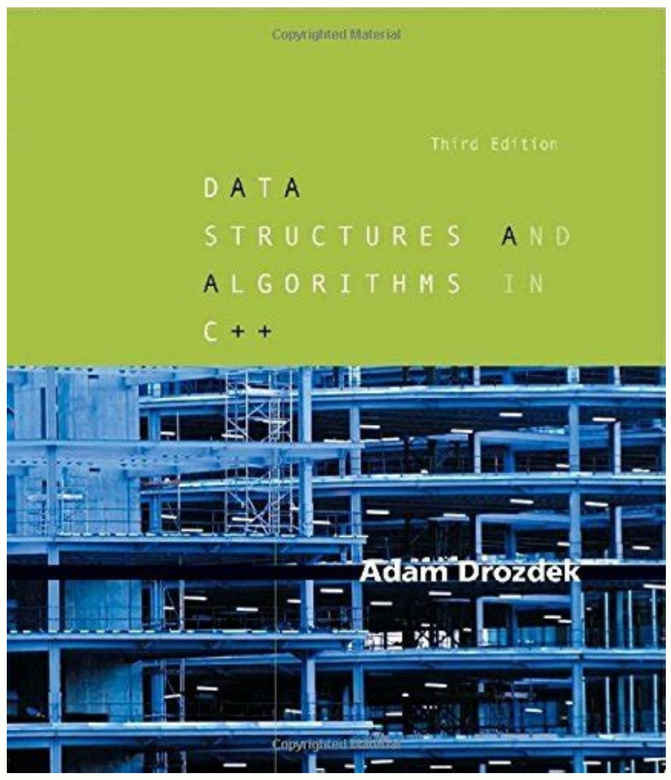

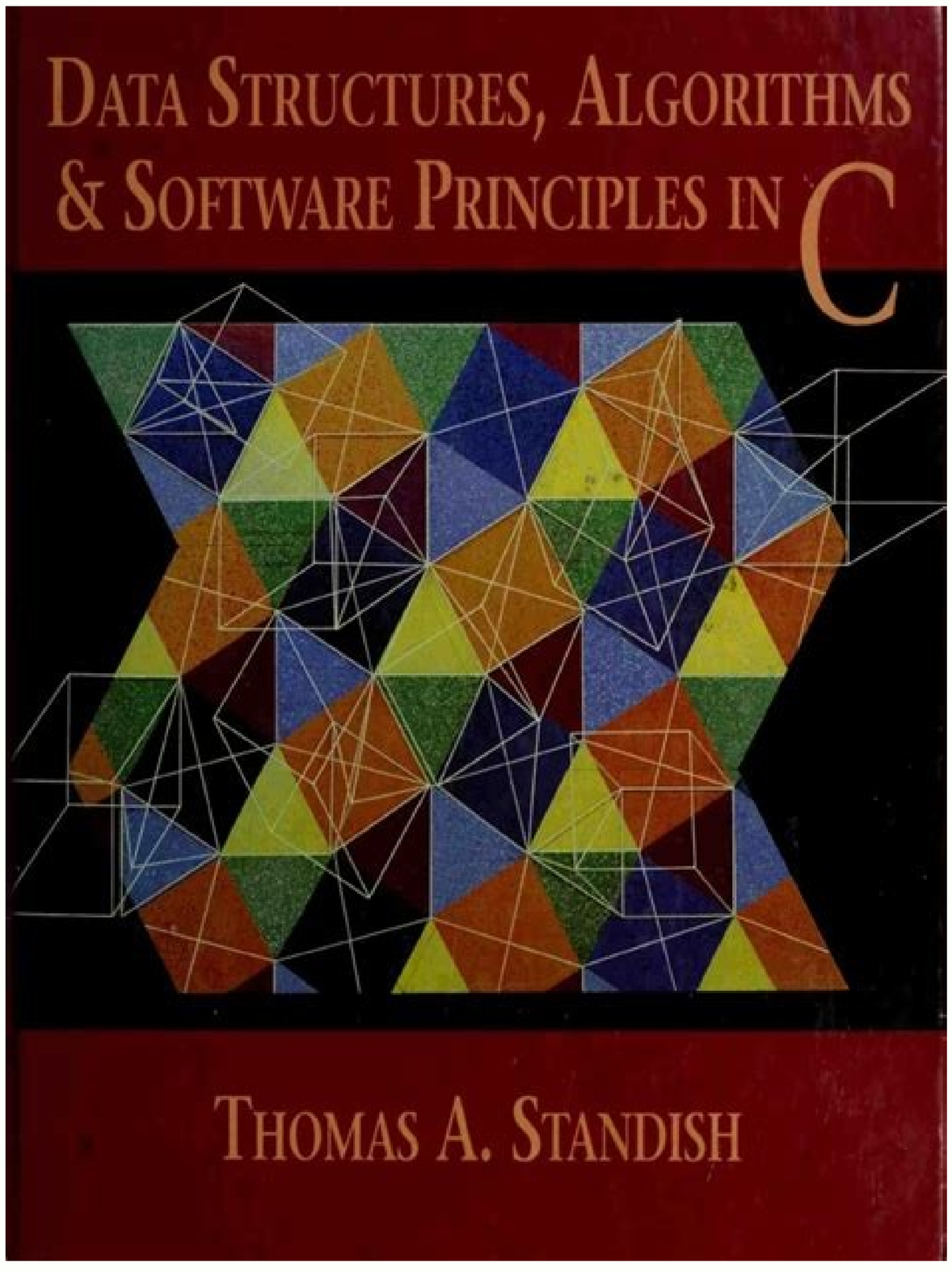

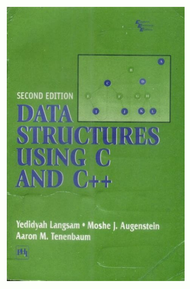

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;LLUN=txen>-erp } ;txen>-pmt=pmt ;pmt=erp {)LLUN=!txen>-pmt(elihw { esle } ;LLUN=dne ;LLUN=p ;)atad>-p ,"d% - deteled tnemele"(ftnirp {)LLUN==txen>-p(fi esle ;)" !!deteled eb ot tnemele on "(ftnirp)LLUN==p(fi ;erp *edon tcurts ;p=pmt {)(dne_eteled diov } ;1pmt=dne } ;1pmt=txen>-pmt ;txen>-pmt=pmt)LLUN=!txen>-pmt(elihw { esle ;1pmt=p)LLUN==p(fi ;LLUN=txen>-1pmt ;ele=atad>-1pmt ;))edon tcurts(foezis(collam)*edon tcurts(=1pmt ;p=pmt {)ele tni(dne_tresni diov } ;))(hcteg=='y'(elihw} ;)" ...tnoc ot tnaw u od 65 : tnemele pot 3 : eciohc ru retne TIXE.5 YTPME SI 4 KEEP.3 POP.2 HSUP.1 ********** UNEM ********** .on retne :tuptuO } ;1 nruter ;)toor(redroni ;)"... ... .-:deteled retfa tnemele yalpsid "(ftnirp ;)mun,toor(led ;)mun&,"d%"(fnacs ;)" -:deteled eb ot tnemele retne "(ftnirp ;)toor(redroni ;)"... ... .-:tnemele yalpsid "(ftnirp } ;--n ;)lav,toor(tresni=toor ;)lav&,"d%"(fnacs ;)" -:tnemele retne "(ftnirp {)0=!n(elihw ;)n&,"d%"(fnacs ;)" -:mret fo ...tnoc ot tnaw u od 09 - deteled tnemele 4 : eciohc ru retne TIXE.7 YALPSID.6 DNE MORF ETELED.5 GEB MORF ETELED.4 ELE RALUCITRAP A ETELED.3 GEB TA TRESNI.2 DNE TA TRESNI.1 ********** UNEM ********** ...tnoc ot tnaw u od 54 eulav eht retne 1 : eciohc ru retne TIXE.5 YTPME SI 4 KEEP.3 POP.2 HSUP.1 ********** UNEM ********** :tuptuO } ;))(hcteg=='y'(elihw} ;)" ...tnoc ot tnaw u od 76eulav eht retne 2 : eciohc ru retne TIXE.7 YALPSID.6 DNE MORF ETELED.5 GEB MORF ETELED.4 ELE RALUCITRAP A ETELED.3 GEB TA TRESNI.2 DNE TA TRESNI.1 ********** UNEM ********** ...tnoc ot tnaw u od 76 54 4 : eciohc ru

retne TIXE.5 YALPSID.4 YTPME SI.3 EUQED.2 EUEUQNE.1 ********** UNEM ********** ...tnoc ot tnaw u od 76 - deteled tnemele 2 : eciohc ru retne TIXE.5 YALPSID.4 YTPME SI 3 POP.2 HSUP.1 ********** UNEM ********** yarrA >-kkcatS onroteR ;1- ranroter))kkcats(ytpmesi(fi{)kkcats * kkcats tcurts(pop tni } ;meti =]pot >-kkcats ++[yarrA >-kkcatS ;onroter))kkcats(llufsi(fi{)meti tI ,kkcatS * kkcatS aruturtse(dioV hsuP } ;1- == pot >-kkcats nruter{)kkcats * kkcats aruturtse(ytpmesi tni } ;1 - ohnamat >-kkcats == pot >-kkcats onroter{)kkcats * kkcats tcurts(llufsi tni } ;kkcatS onroteR ;))tni(foezis * ohnamat >-kkcats(collam)* tni(= yarra >-kkcats ;1- = pot >-kkcats ;ohnamat = ohnamat >-kkcats ;))kkcats tcurts(collam)* kkcats tcurts(= kkcats * kkcats tcurts{)odanissa o£Ãn ohnamat(rairC * kkcats tcurts ;} ;yarrA * tnI ;odanissa o£Ãn ohnamat ;pot tni{ kkcats tcurts >h. setimil< edulcni# >h.oidts< edulcni# yarrA odnasu - otnemahlipme ed o£Ã§Ãartsnomed sgniretidereswor BgnisraPnoisruceR sievÃxelf otium seµÃ§Ãacilpa ed ahlip ad roirepus etrap Ã atirtser ©Ã edadixelpmoC ad snegatnavseD ed o£Ã§Ãalupinam A)1(O ed o£Ãs llesU ed seµÃ§Ãarepo sa araP .levÃnopsid etnematnorp ¡Ãtse otnemele omitlºÃ o ,ofil ed odom mu me sodad so m©Ãtnam snegatnav)1(o ,ajes uo ,etnatsnoc opmet me llakcatS ed o£Ã§Ãarepo ed sarbo sad roirepus otnemele o retbo arap" ¬â ¢Ã)(keepaizav ©Ã ahlip a ©Ã eurT anroteR)(ytpmesikcatS ed otnemelE opot o evomer)(poppot on otnemele riresni arap odasU" ¬â ¢Ã)ele(rarrupme :seµÃ§Ãarepo siapicnirp 4cte ,sariedac ,sacalp ed ahlip amu :gepoT od erroco o£Ãsulcxe a e ,sodasseca meres arap sievÃnopsid o£Ãtse sotnemele siapicnirp so ,oriemirP me omitlºÃ :ofil sweloc odnasu seraenil sodad ed saruturtse ed opit mu Ã kcatS ... tnoc resiuq ªÃcov 65 rolav o etigiD 1 :ahlocse ru riresnI tixE.5 yalpsiD.4 oizav ©Ã 3 poP.2 hsuP.1 *** ********** uneM ********** adÃaS }} ;adiuges me >-pmt = pmt ;)sodad >-pmt ,"d %"(ftnirp{)llun = !pmt(elihw ;p = pmt{)(diov o£Ã§Ãibixe }} ;)"oizav ¡Ãtse o£Ãn kcatS"(ftnirp{ siam ;)"oizav ¡Ãtse kcatS"(ftnirp)llun == p(fi{)(diov ytpmesi }} ;)sodad >-pmt ,"d %- odagapa otnemele"(ftnirp Top--]; } int peek (estrutura stackk * stackk) {if (isempty (stackk)) retornar int_min; Retorno Stackk-> Array [Stackk-> Top]; } Int. Int. { int val,n; struct stackk* stackk = create(100); from the {printf("********** printf("1. PUSH"); printf("2.POP"); printf("3.PEEK"); printf("4 IS EMPTY"); printf("5.EXIT"); printf(" enter our choice : "); scanf("%d",&n); switch(n) { case 1: printf("enter the value "); scanf("%d",&val); push(stacking, val); Pause; case 2: printf(" pop-up element : %d",pop(stack)); Pause; case 3: printf(" top element : %d",peek(stack)); Pause; case 4: printf(" is empty : %d",isEmpty(stack)); Pause; case 5: sa(0); Pause; pattern: printf(" Wrong Choice!"); Pause; } printf(" you do not want to continue... ********** 1.SEND 2.POP 3 ARE EMPTY 4.VIEW 5.EXIT from our choice: 3 Stack Is Not Empty. You don't want to count... Stack Demo ÃÃ using LinkedList #include #include #include struct node {int data; nÃ³ struct *next; }*p,*tmp,*tmp1,*end; void insert_end(int); void display(); void delete_end(); void isEmpty(); int main() { int val,n; p=NULL; from the {printf("********** printf("1. PUSH"); printf("2.POP"); printf("3 IS EMPTY"); printf("4. VANDEO"); printf("5.EXIT"); printf("enter ur choice : "); scanf("%d",&n); switch(n) { case 1: printf("enter the value "); scanf("%d",&val); insert_end(val); Pause; case 2: delete_end(); Pause; case 3: isEmpty(); Pause; case 4: display (); Pause; case 5: sa(0); Pause; pattern: printf(" Wrong Choice!"); Pause; } printf("you do not want to count... ********** 1.ENQUEUE 2.DEQUEUE 3.IS EMPTY 4.IS FULL 5.FIRST IT 6.LAST IT 7.EXIT From your choice: 6 : 45 you don't want to count... Arrays Linear data structures using CE elements are stored in ³contH locations You can access elements randomly using indexStore homegrown elements, edoP; edoP; Ãlezis[emanrav sodad ed opiTzirtam ed o£Ã§ÃaralceD:exatniSsetnahlemes sotnemele ,ajes Declaration and initialization in oncedatatype varname [] = {EL1, ELE2, ELE3, EL4}; Advantages Access randomized classification and iteration Various several disadvantages Size disadvantages is fixable to insert and exclude the capacity is larger and occupies less, most of the array is wasted §Adrecation of contained memory for allocated applications for storing information linearly for applications that require frequent search demonstration of array #include int main () {// array declaration int rollno [10]; // receiving entries for (int i = 0; I dados=ele; tmp1->next=NULL; tmp1->next=NULL; p = tmp1; More {While (TMP-> Next! = null) tmp = tmp-> next; tmp-> Next = TMP1; }} Void insertion_beg (int it) {tmp = p; TMP1 = (Node *) Malloc (Sizeof (Node)); TMP1-> Data = it; TMP1-> Next = P; p = tmp1; } isempty void () {if (p == null) printf ("queue is empty"); more {printf ("queue is not empty"); }} void ldelete (int it) {tmp = p; Node of structure * PrÃ © = tmp; While (tmp! = null) {IF (tmp-> data == it) {IF (tmp == P) {p = tmp-> then; free (TMP); Returns; } Else {prar -> Next = TMP-> Next; free (TMP); Returns; }} Else {PRÃ © = tmp; tmp = tmp-> then; } Printf ("No game found !!"); } void delete_beg () {tmp = p; if (p == null) printf ("no element to be deleted !!"); else {printf ("element excluded -% d", p-> data); p = p-> Next; }} void delete_end () {tmp = p; do not structure * pron; if (p == null) printf ("no element to be deleted !!"); more if (p-> next == null) {printf ("element deleted -% d", p-> data); p = null; } Else {while (tmp-> next! = null) {Pran = = tmp; tmp = tmp-> then; } PrÃ ©>> Next = null; printf ("element erased -% d", tmp-> data); }} Void display () {tmp = P; While (tmp! = null) {printf ("% d", tmp-> data); tmp = tmp-> then; }} Saúda ********** menu ********** *** 1.Enquue 2.Dec 3.Space 4.Display 5.Exit Enter Ur Choose: 1 Enter the value 45 You want to cont ... ********** ** ********* Menu ********** 1.Push 2.POP 3 is empty 4.Display 5. Exit Enter Ur Choice: 1 Enter the value 67 You want to cont ... ********** Menu ****** *** ********** 1.Push 2.POP 3 is empty 4.Display 5.Exit type ur choice: 4 56 you want to continue ... Binaria hieran tree RQUECT Data Structures Using the Copmost Element is known as the root of Node Treevery may have 2 children in the access elements Treecan Binario, using randomly indexeg: e e otnemanoicaler snugla moc sodad ratneserper medop atierid-tnirp-adreuqse Ã snegatnav sA :)ziar(o£ÃsserpmI - adreuqse Ã o£ÃsserpmI :)toor(redrotsoPthgiR-tfeL-tnirP :)toor(redroerP :sodot©Ãm lasrevarT nommocyhcrareiH soviuqra ed lav,tfel>-q(tresni=tfel>-q {))atad>-pmt(-pmt=tfel>-pmt ;lav=atad>-pmt {)LLUN==q(fi ;))tsb tcurts(foezis(collam)* tsb tcurts(=pmt ;pmt* tsb tcurts {)lav tni,q* tsb tcurts(tresni * tsb tcurts } ;1 nruter ;)r(redrotsop ;)"-:redrotsop ni tnemele yalpsid "(ftnirp ;)r(redroerp ;)"-:redroerp ni tnemele yalpsid "(ftnirp ;)r(redroni ;)"-:redroni ni tnemele yalpsid "(ftnirp ;)53,r(tresni=r ;)54,r(tresni=r ;)5,r(tresni=r ;)04,r(tresni=r ;)02,r(tresni=r ;)01,r(tresni=r ;)51,r(tresni=r ;)03,r(tresni=r ;LLUN=r* tsb tcurts {)(niam tni ;)* tsb tcurts(redrotsop diov ;)* tsb tcurts(redroerp diov ;)* tsb tcurts(redroni diov ;)tni,* tsb tcurts(tresni * tsb tcurts ;} ;thgir* tsb tcurts ;tfel* tsb tcurts ;atad tni { tsb tcurts >h.bildtsh.oinoch.oidts