





| Academic Year | Module | Assessment Number | Assessment Type |
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| S20 | Introductory Data Structures and Algorithms (DipIT02) | A1 | Assignment Submission |

[Assignment Submission]

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Section : [DC8]

Module Leader : [Mr. Prakash Gautam]

Submitted on : 06-03-2020





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| () | delete @ End | 2) de le le @ specialie pusition |
| | chire End() | for i= 0 to p-1; do: |
| | (1201: 1200- gmy) sides | |
| | Jump = 7 cmp. Dex7 | temp = temp next |
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| 10 × 10 | 1027 = 40 mb | 2770 |
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| 2->. | 100 -> variable that store a reference to a first node |
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| | Too next - next - I von'able that stom a reference |
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| | that store 101 |
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| 1 | Too. next-next. noxt. voloc ->170. |
| | The street who was to the first of the street of the stree |
| 3-3 | LOSE. RENOUSE (temb) |
| | if c temp. next = = noil |
| | return head - temp |
| | ele c |
| | reverse Champ. nexti |
| | tamps = tamp-next |
| | -t coppinant = temp |
| | temp-next=null |
| 11 | |
| 4-2 | |
| | the header sential has a valid next reterance |
| | by a null prov refrience i while trailer senticel |
| | thas valid prov- reference by a null next refrience |
| | there two sentines. |
| | |
| C- P | The Sentine I nodes do not store any element. The header sentine has a valid next reference by a null prev reference while trailer sentines has valid prev reference by a null next reference. The link list need it to store reference to Those two sentines. |





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| 79. | . To remove duplicate () |
| + + 7. | while (temp! = NULL & temp. next! = NULL |
| 1 | 11 1 1000 1 10 77 10000 00 81. (801/4) |
| | 1-00 - 100 - |
| | 1, (b== vall) |
| - shi | 1 cmp. pn x1 = 0 |
| + | prook; |
| 1 | Jomp. nox1-p |
| Ma | if (tomp. dota! = tomp. next. dota) |
| | toub=jewb.vox |
| 8. | 105470 Rigt () |
| | temp = head (almost) |
| 1 | while Comminent! = MILLI |
| + | bion = 10mb |
| | temp - temp. pext |
| | fout - vixy = freq |
| | First = jumb |
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| 0.> | (ength () |
| | timp: head cours |
| | MPIG (16mb; MACK) |
| - and all | temp: head: coun = 0 White Cremp! = NULLY Town! ** Town! ** Town: head: coun = 0 |
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| header-made K-10 b noch next = Iroiler trailer prev = noch hoder next = noch noch prev = hooder noch value = n Size ++ Size ++ Variable of the Jupe n+ is 23t-1 on 32-bit 232 = hop are how tuck - ve type |
| header-made K-10 b noch next = Iroiler trailer prev = noch hoder next = noch noch prev = hooder noch value = n Size ++ Size ++ Variable of the Jupe n+ is 23t-1 on 32-bit 232 = hop are how tuck - ve type |
| froity provenode froity provenode hooder-next = nock noder-next = nock noder-next = nock size ++. Size ++. Size ++. Size ++. Variable of the type int is 23t-12 on 32-bit 232 => hor are host type 1 ve type |
| trailer provenade hoder next = node noder. prov = hooder noder. value = n Size ++ Size ++ Variable of the type int is 23t - 1 on 32-bit 232 => how are host true & - ve type |
| hoder-next = nock noder. prov = hooder node. value = n Size ++. Size ++. Size ++. Variable of the type int is 23t-1 or 32-bit 232 => hor are host type L ve type |
| noder. prov: hander noder. voluc: n Size 1+. 6. The biggest tree integer that we can store in a Variable of the type int is 23t-1 or 32-bit 232 => hor are hab tree l-retype |
| Size It. Size It. Size It. Size It. On the biggest two integer that we can store in a variable of the type intits 23t-12 or 32-bit 232 => hor are how two & - ve type |
| Size It. Size It. Size It is store in a store in a store of the type int is 23t-12 or 32-bit |
| or show are how the supe |
| or show are how the supe |
| 5 => poc ac 1000 100 5 - 16 19 15 |
| 092 032 da - 1 as lhere me ude also also |
| 2 0 also so 231 -1 |
| a) 3,24 |
| 327-14010 |
| |
| 5) 2y3 18 [2131=1=>[8018] |
| C 2011 Wall Wall whole while was |
| 1217 1017 2117 2101 |
| |
| Tables of the section |
| johnson Lines & |





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| 10) | la Insert a node @ sprafic parities |
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| | Struct node * new node, *P |
| | int wx, a, i=1; |
| | Print & ("Enter the location in index) |
| | Scool ("019", EM) |
| | Scoul ("old", [m) |
| | Scont ('o(d', la); |
| | white (izh) from the |
| | p = p -> nexti |
| | 7 417) |
| 0 03 | new node > do la =0; |
| 1/63 3 | Nemach - next = 0 -, next |
| | to b-s next = vemock |
| | C. C. abu an aration L. Abustan Sea |
| | Por pie |
| | GIRUCT UNGO & pro nemnodo, x f |
| | int lorohus, dola 13=1) |
| | While (i & location X |
| | ρ· P= P->nent; |
| | 1 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 |
| | |
| | von unge -) gojo = goja; |
| | newoods - nox1 = P->nex-) |
| | mode > provior = 1; |
| | nounode > provios = P; nounode > noct -> Proviors = nounode; |
| | 1 - 2 Like - Tillian LOCK |





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| b) | Dalete a node @ epecific position |
| | & SLZ |
| | Struct node 1 cmp x P |
| | int knotus: 1-1/ |
| | while (:2a-1) |
| | 2 |
| | P-P-next; MINA-Many & And |
| | it; allowed the word of the |
| | 3 Summa Lara & Known). |
| | temp = P->next; |
| | P-snext=temp-snext; month |
| | temp = next = NOSS; |
| | Free (temp). |
| | |
| | |
| | Struct rade & pub & b. |
| | int location, -1; |
| | While (iza) |
| | 5 = 6 > vex1; |
| | D= P>next; |
| | 24; I all the share of the |
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| | Loc (b). Loc (b). Loc vior => bronion - Loc vior => box = box bronion. |
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| 2-> | · Program to reverse a Single linked list recursively. |
| | Void server (short vogexxb) |
| - | Struct noch + Prev = NULL; |
| | Street note + view = 100cc) |
| | Short week & country - |
| | Sport vago & boxy: UNITY |
| | Must - (nucot -) west; |
| | · (outout -> vorg - bion; |
| | Par = conser-1; |
| | Current - nontitude |
| | 3 (1019-1/400-2001) |
| | * P = prov; |
| | |
| | |
| 4-1 | |
| ++ | livring itsi- |
| 77 | 1007 go geout ()5 |
| | Strict node KP, itemp, * soclast; |
| 71- | 1, = 16w() = 160G' |
| 11 | while (Paned != NULL) |
| | |
| Nii- | Boclost-P. P=P->nort: |
| | 1 = 1/3mpri |
| | R -) Oard - la se |
| | Sec (0) +> next = NOSE; } Hood = P; |
| | |





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| | length at a linked liet. |
| | length ()? |
| | Struct node * P; |
| 18 | Pop Modil |
| | while (P!=NULL) |
| | leudy 1+; |
| | P=P=next |
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