| 10 | Camlin Page No. 22 |
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| Experiment Name / No.: | Date I I |
| | · TcT |
| BINARY TREES USING LINKED | <u>[151</u> |
| | |
| ALM | |
| write a nemi driven covogram to | - implement |
| 5 benary vies using linised lists on | el perborn |
| operations | |
| | |
| ALGORITHM | |
| 1 swet | |
| 20 Enur danot row node, creare tree brown | root |
| 3. Buila vel (rurot, dans) to build vel 6 | |
| 3.1 Up puz! = NULL | |
| 3.1.1 set Per -> day = day | 1 |
| 3.2 10 was hus lebt Child | |
| 15 3.2.1 creare left pur bor lebt will | |
| 3.2.2 Sc. per- lest = legiper | |
| 3.2.3 Enver dana ou lets uneld; l | ebocleug. |
| 3.2.4 call build erel (Repiper, lebidar | |
| 3.3 Else ret per -> lest = NUI | |
| 3.4 Fb node par right child | |
| 3.4.1 crease right per bor chies | |
| 3.4.2 set par -> right = righter | |
| 3.4.3 Enter days of right and; | right devea |
| 3.4.4 Call Burederee (rigniply right de | de) gow scep 3 |
| 3.5 Sow siep 4 | • |
| Display prevaer (per) | |
| | |
| Teacher's Signatur | re: |

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| Experim | Date |
| | |
| 41 16 per! = NULL | |
| 4.1.1 Print per & deva | , |
| 4.1.2 call prevaer (pur -) less.) | |
| 5 4.1.3 call preveur (per -> right |) |
| 5 Encer Choice bor neny | |
| 6 casel: insurion | |
| 6. Enser perrent hade ob new mode | 2. |
| 6.2 searcharde (per sey) | |
| 10 6.2 1 16 per = NULL or per -> dece | = 12ey |
| 6.2.1.1 recurs per | |
| 6.2.2 else No sewumou (Phr -> let | 10ey) = NULL |
| 6.2.2.1 call searchnoal (por -) | right, isey) |
| 6.3 call searth node (root, parene), gen | o step 6.2 |
| 15 by Check 16 per = NULL | |
| 6.4.1 parent node not bound, re | ewn |
| 6.5 46 ptr -> lebe = NULL or ptr -> rig | m = NUL |
| 6.5.1 16 meerium as lebt child | |
| 6.5.1.1 16 per -> lebi- = NULL | |
| 6.5. . Enur duta ob neu | o node |
| 6.5.1.1.2 Sec per -> lebt = n | |
| 65.1.2 Else left child is not em | |
| 6.5.2 16 mouremen as right chile | |
| 6.5.2.1 16 per => right = NULL | |
| 6.5.2.1.1 Enur data of new | rvde. |
| 6:5,2.1,2 sector -> rugm = 1 | ew noch. |
| 6.5-2.2 else right unite is not | emply |
| Teacher's Signatur | |

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| Experiment Name / No.: | Date I |
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| 6.6 Else lebt and right children are of | ioi empiro |
| 6.7 gow step 4 | |
| 2. Delleur | |
| 7 care severin pering (ptr, dara) | |
| 3.1.1 16 MM = NULL, return ptr | |
| 7.1.2 Else 10 per -> left -> data = | |
| 7.1.2.1 recur por | |
| 7.1.3 16 search paren (per -> lebt |) = NULL |
| 10 7.1.3.1 Call marin paren | · (pir -) right) |
| 7.2 16 2001 = NULL | |
| 7.2. Tree is emply return | |
| 7.3 Enur vode to be delesely | |
| 7.4 call searmolle (root, rod | e) gow step 6.2 |
| 15 sure address in per | |
| 7.5 Mp per = NULL | |
| 7.5.1 Node not found | |
| 7.6 Else il pro-slebt = NULL and PE | r-> rught = NULL |
| 7-6.1 (all searmparent (root, node) | Jump 10 persons |
| 20 My 7.1 and sure address | <u>\$</u> |
| 7.7 16 012 n 1, 20 1 - > 1041 = DVT. | |
| 7.7.1 ser pour -> lebt = NI |)L[|
| 7.7.1 set pourent -> lebt = NU | LL |
| 7.9 Free per. | |
| 25 | |
| | |
| | |
| Teacher | r's Signature: |

| 8 CAR 3: SECURION 8:1 ENTER NOOLE to Mark 8:2 CALL GEARMOOLE (TOUT, Noole), got Map (.2, Mare address in par 3:3 It per ! = NULL 9:3:1 Noole Gama 81 Elle Noole Not bound 81 Elle Noole Not bound 81 Elle Noole Not bound 63 2000 Mep C1 9 Map CONCLUSION The proof am has been executed correctly and output hers been varied. | | Cam | lin <i> </i> Page | No. 35 |
|--|---|--------|-------------------|--------|
| Even pode to narin 8: Enter pode to narin 8: Call hartmod (root, node), gow sup 6.2, sure address in per 8.3 16 per! = NULL 8.3.1 Node found 84 Elle node not bound 84 Elle node not bound 84 Aup CONCLUSION The program has been executed correctly and output has been varied. | wiment Name / No.: | | i | 1 |
| 8:1 Enter node to searth 8:2 Call learnhood (root, node), gow sup 6.2, sure address in per 8:3 st por! = NULL 8:3:1 Node bound 84 Elle node not bound 63 you step a CONCLUSION The program has been executed correctly and output hers been varied | EXPERIM | | , | |
| 8:1 Enter node to search 8:2 Call learnhood (root, node), gow sup 6.2, Mere address in per 8:3 st por! = NULL 8:3:1 Node bound 84 Elle node not bound 85 your thep a CONCLUSION The program has been executed correctly and output hers been varied | | | | |
| 8:1 Enter node to search 8:2 Call learnhood (root, node), gow sup 6.2, Mere address in per 8:3 st por! = NULL 8:3:1 Node bound 84 Elle node not bound 85 your thep a CONCLUSION The program has been executed correctly and output hers been varied | o care 3: sewicon | | | |
| 8.2 Cull heartmode (root, node), goto sup 6.2, Aure address in per 8.3 It per! = NULL 8.3.1 Node bound 84 Else node not bound 85 you kep a CONCLUSION The program has been executed correctly and output heir been varied | Enter rode to search | | | |
| 2.3 16 par! = NULL 8.3.1 Node bound 84 Elle Node Not bound 85 gaw thep a CONCLUSION The program has been executed correctly and output heir been varied. | 2. call hearhnod (root node) | gow | sty | s 6.2 |
| 2.3 16 ptr ! = NULL 8.3.1 Node bound 84 Elle Nocle Not bound 8.3 you kep a 9 sup CONCLUSION The program has been executed correctly and output hers been varied | sure address in per | | | |
| 8.3.1 Node bound Bu Else ware Not bound Bu gow Mep a GONCLUSION The pringsum has been executed correctly and output her been varied. | 5 3 2 1/2 DET 1 = NULL | | | |
| Bu Elle roche rot bound Bis your thep Co GONCLUSION The program has been exceused correctly and output her been varied. | 8.3 700 10 10 10 10 10 10 10 10 10 10 10 10 1 | | | |
| Eis gow thep Cs 9 MOP CONCLUSION The program has been executed correctly and output hers been varied. | | | | |
| GONCLUSION The prings am has been executed correctly and output hers been varied. 15 | 84 Ere Mile 100. Dounes | | | |
| CONCLUSION The program has been executed correctly and output hers been varied. | | | | |
| The program has been excented correctly and output hers been varied. | 90 SUP | | | |
| The program has been excented correctly and output hers been varied. | | | | |
| and output hers been variety. 15 20 20 20 20 20 20 20 20 20 2 | CONCLUSION | • | | |
| and output hers been variety. 5 20 20 20 20 20 20 20 20 20 | The program has been excernice | (10 | rrec | in |
| 15 | and output heis been varied. | | | |
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| Teacher's Signature: | Teacher's Sign | ature: | | |