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1 Welcome to DrJava. Working directory is C:\Users\Home\Work\CISC1115
2 > run GFG
3 From the General N-Ary ordered Tree:
4 The family root is Robert.
5 John is a child of Robert
6 John has Vector as a child.
7 John has Mitch as a child.
8 Mitch has Justin as a child.
9 David is a child of Robert
10 David has Jenifer as a child.
11 David has Alex as a child.
12 Sam is a child of Robert
13 Sam has Keith as a child.
14 Keith has Michael as a child.
15
16 Order traversal of the left-child / Right-Sibling Tree:
17 Robert Father Name is : Root      John Father Name is : Robert      Vector Father
   Name is : John      Mitch Father Name is : John      Justin Father Name is : Mitch
   David Father Name is : Robert      Jenifer Father Name is : David      Alex Father
   Name is : David      Sam Father Name is : Robert      Keith Father Name is : Sam
   Michael Father Name is : Keith
18
19 Post-Order traversal of the left-child / Right-Sibling Tree:
20 Vector Father Name is : John      Justin Father Name is : Mitch      Mitch Father
   Name is : John      John Father Name is : Robert      Jenifer Father Name is : David
   Alex Father Name is : David      David Father Name is : Robert      Michael Father
   Name is : Keith      Keith Father Name is : Sam      Sam Father Name is : Robert
   Robert Father Name is : Root
21
22 Who is the father of John?
23 John Father is Robert
24 Who is the father of Mitch?
25 Mitch Father is John
26 Who is the father of Justin?
27 Justin Father is Mitch
28 Who is the Grand Father of Justin?
29 Justin Grand Father is Robert
30 Who is the Grand Father of Mitch?
31 Mitch Grand Father is Robert
32 Who all sons of David?
33 David all sons are : Jenifer Alex
34 Who all sons of Robert?
35 Robert all sons are : John David Sam
36 Who all sons of Sam?
37 Sam all sons are : Keith
38 Who all sons of John?
39 John all sons are : Vector Mitch
40 Who is the oldest son of John?
41 John Oldest son is : Vector
42 Who is the oldest son of Robert?
43 Robert Oldest son is : John
44 Who is the Youngest son of Robert?
45 Robert Youngest son is : Sam
46 Who is the Youngest son of Keith?
47 Keith Youngest son is : Michael
48 Who is the Youngest son of Justin?
49 Justin Youngest son is : Nothing Found
50 Who are all the brothers of Sam?
51 Sam Brothers are John David Sam
52 Who is the youngest brother of John?
53 John Youngest Brothers are Sam
54 Who is the youngest brother of Vector?
55 Vector Youngest Brothers are Mitch
56 Who is the youngest brother of Jenifer?
57 Jenifer Youngest Brother are Alex
58 Who is the oldest brother of David?
59 David oldest Brothers are John
60 Who is the oldest brother of Alex?
61 Alex oldest Brother are Jenifer
62 Who are the uncles of Jenifer?

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63 Jenifer Uncles father are : John David Sam
64 Who are the uncles of Justin?
65 Justin Uncles are : Vector Mitch
66
67
68 From the General N-Ary ordered Tree:
69 The family root is Jones.
70 Bob is a child of Jones
71 Bob has Richard as a child.
72 Bob has Jake as a child.
73 Jake has Bill as a child.
74 Dan is a child of Jones
75 Brian is a child of Jones
76 Brian has Michael as a child.
77 Michael has Davielle as a child.
78
79 Order traversal of the left-child / Right-Sibling Tree:
80 Jones Father Name is : Root      Bob Father Name is : Jones      Richard Father Name
   is : Bob      Jake Father Name is : Bob      Bill Father Name is : Jake      Dan
   Father Name is : Jones      Brian Father Name is : Jones      Michael Father Name is
   : Brian      Deville Father Name is : Michael
81
82 Post-Order traversal of the left-child / Right-Sibling Tree:
83 Richard Father Name is : Bob      Bill Father Name is : Jake      Jake Father Name is
   : Bob      Bob Father Name is : Jones      Dan Father Name is : Jones      Deville
   Father Name is : Michael      Michael Father Name is : Brian      Brian Father Name
   is : Jones      Jones Father Name is : Root
84
85 Who is the father of Jake?
86 Jake Father is Bob
87 Who is the father of Bill?
88 Bill Father is Jake
89 Who is the Grand Father of Bill?
90 Bill Grand Father is Jones
91 Who is the Grand Father of Jake?
92 Jake Grand Father is Jones
93 Who all sons of Bob?
94 Bob all sons are : Richard Jake
95 Who all sons of Jones?
96 Jones all sons are : Bob Dan Brian
97 Who all sons of Brian?
98 Brian all sons are : Michael
99 Who all sons of Bob?
100 Bob all sons are : Richard Jake
101 Who is the oldest son of Bob?
102 Bob Oldest son is : Richard
103 Who is the oldest son of Jones?
104 Jones Oldest son is : Bob
105 Who is the Youngest son of Jones?
106 Jones Youngest son is : Brian
107 Who is the Youngest son of Michael?
108 Michael Youngest son is : Deville
109 Who is the Youngest son of Bill?
110 Bill Youngest son is : Nothing Found
111 Who are all the brothers of Brian?
112 Brian Brothers are Bob Dan Brian
113 Who is the youngest brother of Bob?
114 Bob Youngest Brothers are Brian
115 Who is the youngest brother of Richard?
116 Richard Youngest Brothers are Jake
117 Who is the youngest brother of Jake?
118 Jake Youngest Brother are Jake
119 Who is the oldest brother of David?
120 David oldest Brothers are
121 Who is the oldest brother of Alex?
122 Alex oldest Brother are
123 Who are the uncles of Jenifer?
124 Jenifer Uncles father are :
125 Who are the uncles of Bill?
126 Bill Uncles are : Richard Jake

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