Country Code Index Data

(for All Countries DB – direct address on ID)

shown as a B+ tree

(See CountryCodeIndex.txt file for the real data file).

To help you conceptualize the data as a B+ Tree, this shows:

- RRNs in front of each record (though they're not actually in the data file itself)
- Level 3 & 4 nodes are separated into groups where a group shares the same parent node
- records in breadth-first traversal order (though in the actual data file they're in RRN order)
- labels for the Header data (though they're not in the actual data file)

NOTES:

- non-leaves are of the form: `'N'   KV TP  KV TP  ... KV TP     000`
  leaves are of the form: `'L'   KV DRP KV DRP ... KV DRP   nextLeaf`
- all KV's within a node are IN ORDER
- all good data pairs are left-justified within a node, and right-filled with "empty pairs"
- an "empty pair" contains:
  - `^^^` for the KV (since it's > ZZZ in ASCII code sequence)
        (Use `String.CompareOrdinal` in C#, not `String.Compare`)
  - `000` for the TP or DRP
- the nextLeaf field in non-leaves is always `000`

```
##############################################################################
```

Header data
```
M: 007, rootPtr: 056, nextEmpty: 058, firstLeaf: 011, nKV: 239
```

Root Node
```
56> N IDN 023 ZWE 007 ^^^ 000 ^^^ 000 ^^^ 000 ^^^ 000 ^^^ 000 000
```

Level 2 nodes (from Left to Right)
```
23> N BOL 037 CPV 015 FRO 009 IDN 010 ^^^ 000 ^^^ 000 ^^^ 000 000
07> N LKA 045 NLD 031 SLE 017 TMP 050 ZWE 022 ^^^ 000 ^^^ 000 000
```

Level 3 nodes (from Left to Right)
```
37> N ALB 011 ASM 019 AZE 030 BHR 038 BOL 033 ^^^ 000 ^^^ 000 000
15> N BTN 002 CCK 041 COD 044 CPV 046 ^^^ 000 ^^^ 000 ^^^ 000 000
09> N CZE 001 ECU 032 EST 026 FRO 048 ^^^ 000 ^^^ 000 ^^^ 000 000
10> N GHA 027 GMB 016 GRD 051 GUY 053 IDN 005 ^^^ 000 ^^^ 000 000

45> N IRQ 003 JAM 012 KHM 054 LAO 057 LKA 004 ^^^ 000 ^^^ 000 000
31> N LVA 039 MDA 055 MLI 018 MNP 034 MWI 049 NER 008 NLD 020 000
17> N PAN 028 POL 042 PSE 013 RWA 006 SGS 029 SLE 040 ^^^ 000 000
50> N SPM 021 SVN 025 TCA 035 TMP 043 ^^^ 000 ^^^ 000 ^^^ 000 000
22> N TUV 047 UMI 014 VEN 052 WLF 036 ZWE 024 ^^^ 000 ^^^ 000 000
```

Leaf nodes (from Left to Right)
```
11> L ABW 211 AFG 060 AGO 146 AIA 210 ALB 053 ^^^ 000 ^^^ 000 019
19> L AND 010 ANT 218 ARE 142 ARG 024 ARM 170 ASM 224 ^^^ 000 030
```

```
30> L ATA 198 ATF 200 ATG 163 AUS 044 AUT 056 AZE 171 ^^^ 000 038
38> L BDI 116 BEL 032 BEN 094 BFA 095 BGD 140 BGR 050 BHR 139 033
33> L BHS 143 BIH 188 BLR 178 BLZ 164 BMU 212 BOL 030 ^^^ 000 002

02> L BRA 028 BRB 131 BRN 166 BTN 052 ^^^ 000 ^^^ 000 ^^^ 000 041
41> L BVT 199 BWA 129 CAF 097 CAN 042 CCK 226 ^^^ 000 ^^^ 000 044
44> L CHE 013 CHL 020 CHN 001 CIV 101 CMR 096 COD 100 ^^^ 000 046
46> L COG 099 COK 227 COL 021 COM 148 CPV 147 ^^^ 000 ^^^ 000 001

01> L CRI 025 CUB 045 CXR 225 CYM 213 CYP 111 CZE 190 ^^^ 000 032
32> L DEU 087 DJI 154 DMA 155 DNK 004 DOM 037 DZA 115 ECU 029 026
26> L EGY 063 ERI 189 ESH 197 ESP 012 EST 180 ^^^ 000 ^^^ 000 048
48> L ETH 002 FIN 054 FJI 137 FLK 238 FRA 006 FRO 207 ^^^ 000 027

27> L FSM 169 GAB 102 GBR 008 GEO 172 GHA 091 ^^^ 000 ^^^ 000 016
16> L GIB 208 GIN 093 GLP 215 GMB 126 ^^^ 000 ^^^ 000 ^^^ 000 051
51> L GNB 144 GNQ 133 GRC 033 GRD 145 ^^^ 000 ^^^ 000 ^^^ 000 053
53> L GRL 214 GTM 026 GUF 239 GUM 229 GUY 132 ^^^ 000 ^^^ 000 005
05> L HKG 204 HMD 201 HND 034 HRV 179 HTI 017 HUN 057 IDN 071 003

03> L IND 076 IOT 193 IRL 062 IRN 048 IRQ 066 ^^^ 000 ^^^ 000 012
12> L ISL 070 ISR 078 ITA 039 JAM 119 ^^^ 000 ^^^ 000 ^^^ 000 054
54> L JOR 074 JPN 003 KAZ 173 KEN 122 KGZ 174 KHM 085 ^^^ 000 057
57> L KIR 160 KNA 165 KOR 081 KWT 114 LAO 086 ^^^ 000 ^^^ 000 004
04> L LBN 068 LBR 038 LBY 083 LCA 158 LIE 018 LKA 082 ^^^ 000 039

39> L LSO 130 LTU 182 LUX 041 LVA 181 ^^^ 000 ^^^ 000 ^^^ 000 055
55> L MAC 205 MAR 088 MCO 040 MDA 184 ^^^ 000 ^^^ 000 ^^^ 000 018
18> L MDG 103 MDV 127 MEX 019 MHL 168 MKD 183 MLI 104 ^^^ 000 034
34> L MLT 125 MMR 079 MNG 061 MNP 233 ^^^ 000 ^^^ 000 ^^^ 000 049
49> L MOZ 149 MRT 105 MSR 217 MTQ 216 MUS 134 MWI 123 ^^^ 000 008
08> L MYS 092 MYT 194 NAM 167 NCL 230 NER 106 ^^^ 000 ^^^ 000 020
20> L NFK 232 NGA 107 NIC 035 NIU 231 NLD 014 ^^^ 000 ^^^ 000 028

28> L NOR 047 NPL 015 NRU 136 NZL 049 OMN 084 PAK 077 PAN 046 042
42> L PCN 234 PER 027 PHL 075 PLW 192 PNG 151 POL 058 ^^^ 000 013
13> L PRI 219 PRK 080 PRT 009 PRY 022 PSE 206 ^^^ 000 ^^^ 000 006
06> L PYF 228 QAT 141 REU 195 ROM 043 RUS 185 RWA 117 ^^^ 000 029
29> L SAU 067 SDN 089 SEN 108 SGP 128 SGS 202 ^^^ 000 ^^^ 000 040
40> L SHN 196 SJM 209 SLB 156 SLE 112 ^^^ 000 ^^^ 000 ^^^ 000 021

21> L SLV 036 SMR 007 SOM 109 SPM 220 ^^^ 000 ^^^ 000 ^^^ 000 025
25> L STP 150 SUR 152 SVK 191 SVN 186 ^^^ 000 ^^^ 000 ^^^ 000 035
35> L SWE 005 SWZ 135 SYC 153 SYR 069 TCA 221 ^^^ 000 ^^^ 000 043
43> L TCD 098 TGO 110 THA 011 TJK 175 TKL 235 TKM 176 TMP 203 047

47> L TON 138 TTO 120 TUN 090 TUR 064 TUV 157 ^^^ 000 ^^^ 000 014
14> L TWN 072 TZA 113 UGA 118 UKR 187 UMI 236 ^^^ 000 ^^^ 000 052
52> L URY 031 USA 016 UZB 177 VAT 065 VCT 159 VEN 023 ^^^ 000 036
36> L VGB 222 VIR 223 VNM 073 VUT 162 WLF 237 ^^^ 000 ^^^ 000 024
24> L WSM 121 YEM 055 YUG 059 ZAF 051 ZMB 124 ZWE 161 ^^^ 000 000
```