**FAT16 Root Area Worksheet**

Below is a debug hex display of a portion of the root area of a FAT16 Disk. Using the data shown and the FAT16 Root Decoder Key, answer the following questions about the files on the disk.

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| --- | --- |
| The size of the file NASMW.EXE | 290,816  (00 04 70 00) |
| The date of the file LICENSE.TXT | October, 12th 2002  (2D 4C = 0010 110|1 010|0 1100 ) |
| The time of the file EXEBIN.MAC | hrs: 10 mins: 3 secs: 30  (50 6F = 0101 0|000 011|0 1111) |
| The attribute of the file NASM FILES | Volume Label (Attribute 3)  (08 =0000 1000) |
| The starting cluster number of the file STUDENT.ASM | 16,898   (42 02) |
| The attribute of the file PROGRAMS | Subdirectory (Attribute 4)  (10 = 0001 0000) |

13CD:0000 4E 41 53 4D 20 46 49 4C-45 53 20 08 00 00 00 00 NASM FILES .....  
13CD:0010 00 00 00 00 00 00 4F B5-4B 33 00 00 00 00 00 00 ......O.K3......  
13CD:0020 4E 41 53 4D 57 20 20 20-45 58 45 20 00 22 58 B5 NASMW EXE ."X.  
13CD:0030 4B 33 4B 33 00 00 A0 05-C5 26 02 00 00 70 04 00 K3K3.....&...p..  
13CD:0040 4C 49 43 45 4E 53 45 20-54 58 54 20 00 61 65 B5 LICENSE TXT .ae.  
13CD:0050 4B 33 4B 33 00 00 72 7F-4C 2D 3A 02 36 07 00 00 K3K3..r.L-:.6...  
13CD:0060 45 58 45 42 49 4E 20 20-4D 41 43 20 00 9A 69 B5 EXEBIN MAC ..i.  
13CD:0070 4B 33 4B 33 00 00 6F 50-44 23 3E 02 55 06 00 00 K3K3..oPD#>.U...  
13CD:0080 53 54 55 44 45 4E 54 20-41 53 4D 20 00 12 75 B5 STUDENT ASM ..u.  
13CD:0090 4B 33 4B 33 00 00 C6 BD-74 2F 42 02 33 03 00 00 K3K3....t/B.3...  
13CD:00A0 50 52 4F 47 52 41 4D 53-20 20 20 10 08 94 7D B5 PROGRAMS ...}.  
13CD:00B0 4B 33 4B 33 00 00 80 B5-4B 33 44 02 00 00 00 00 K3K3....K3D.....  
13CD:00C0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 ................  
13CD:00D0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 ................  
13CD:00E0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 ................  
13CD:00F0 00 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 ................