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• Bit Fields Example: Bitfield.c		
<pre>/* Bitfield.c: 11/06/12, RD */ #include <stdio.h></stdio.h></pre>		
<pre>struct FloatFormat {     unsigned int Mantissa : 23;     unsigned int Exponent : 8;     unsigned int Sign : 1;   };   union FloatUnion {     float Value;     struct FloatFormat Format;   } Float = { -1.0 }; </pre>		
<pre>int main(void) { printf("sizeof(float) = %lu\n", sizeof(float));  printf("sizeof(Float) = %lu\n", sizeof(Float));  printf("Float.Value = %f\n", Float.Value);  printf("Float.Format.Sign = %u\n", Float.Format.  printf("Float.Format.Exponent = %u\n", Float.Format.  printf("Float.Format.Mantissa = %u\n", Float.Format.  return 0; }</pre>	Exponent);	
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