CMPE-013/L

Computer Systems and “C” Programming

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Quiz today (instead of Thursday).

Quiz also on Thursday (last one).
One Final Quiz — Thursday

12/4/20

Free Body Problem

union {
    struct {
        char head;
        long payload;
        char CRC;
        char tail;
    };
    char[6] AsBytes;
};

x;

10

x. head = 0xF5;

x. payload = 342;

x. CRC = calcCRC(x.head);

x. tail = 0x5F;
union {
    struct {
        unsigned RF1 : 1;
        unsigned RF2 : 1;
        ...
        unsigned RF8: 1;
    };
    char c;
} x = {.c = 0x00};

\[ x.c = \text{char} \]
\[ x.RF1 = \{0\} \]

\[
\text{load} \quad \text{floX} (\text{load} \ x) \\
\{ \\
\quad \text{return} \ (x + x + 2ax + 5); \\\n\}
\]

\[ f(x) = x^2 + 2x + 5; \]
\[ 0 \quad 10 \]
\[ \int_{0}^{10} f(x) \, dx \]

sum = integrate(0.0, 10.0, floX);
Node *node = (Node *) malloc(sizeof(Node));
RTOS - Real Time Operating System

VxWorks
QNX
Lynx