DISSECTED FILE

SHA-4: 396E4D177BB1DDE6E5C78C14EE2852DC53CB80A DOWNLOAD @ PE101.CORKAMI.COM C:\>SIMPLE.COM

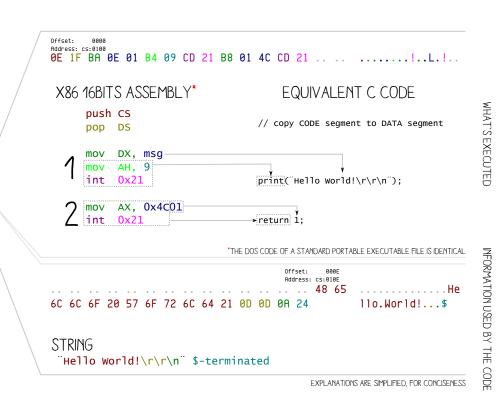
Hello World!

0E 1F BA 0E 01 B4 09 CD 21 B8 01 4C CD 21 48 65

SIMPLE.COM

TRIVIA

COM FILES ARE USED BY MICROSOFT SINCE 1981 AND STILL RUN ON ANY 32-BIT WINDOWS TODAY



KEY CONCEPTS

FILE SPECIFICATIONS NO HEADER LIMITED TO ≈64KiB MERGED CODE AND DATA USUALLY WITH NO BOUNDARIES

MEMORY SEGMENTATION DOS MEMORY IS CUT INTO BLOCKS THEY ARE CALLED SEGMENTS ADDRESSES ARE DEFINED BY: A SEGMENT AN OFFSET WITHIN THAT SEGMENT THEY ARE WRITTEN segment: offset LOADING PROCESS THE FILE IS ENTIRELY LOADED OFFSET 0 IS MAPPED AT cs: 0x100 **EXECUTION STARTS THERE**

OPERATING SYSTEM'S FUNCTIONS CALLED VIA INTERRUPTS + FUNCTION CODE IN AH **EXAMPLES**:

✓ INTERRUPT 0x21 FUNCTION 0x09 PRINTS A \$-TERMINATED STRING AT DS: DX INTERRUPT 0x21 FUNCTION 0x4C

TERMINATES THE PROCESS RETURN VALUE GIVEN IN AL

