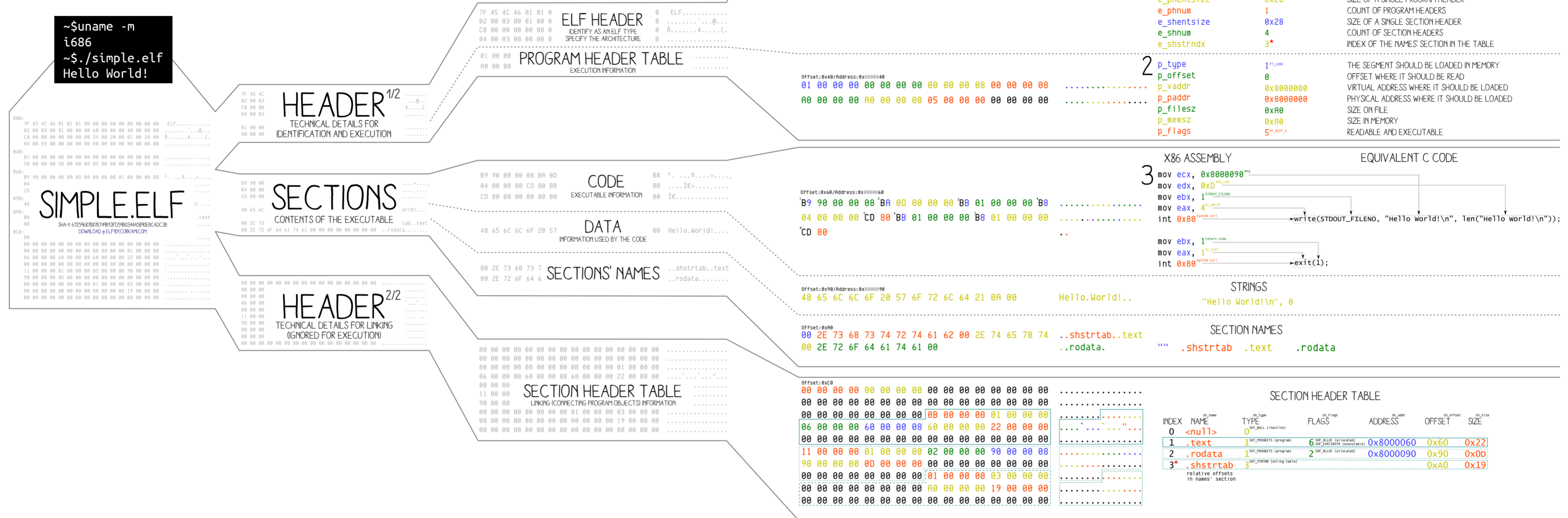


## DISSECTED FILE



## LOADING PROCESS

### 1 HEADER

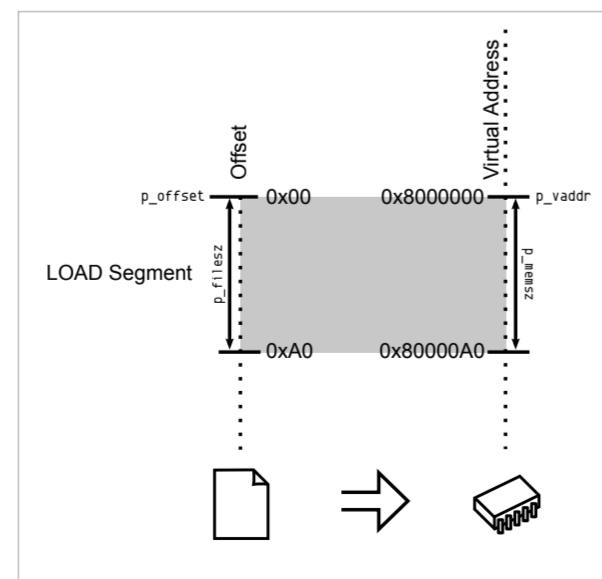
THE ELF HEADER IS PARSED  
THE PROGRAM HEADER IS PARSED  
(SECTIONS ARE NOT USED)

### 2 MAPPING

THE FILE IS MAPPED IN MEMORY  
ACCORDING TO ITS SEGMENT(S)

### 3 EXECUTION

ENTRY IS CALLED  
SYSCALLS<sup>(kernel)</sup> ARE ACCESSED VIA:  
- SYSCALL NUMBER IN THE EAX REGISTER  
- CALLING INTERRUPT 0x80



## TRIVIA

THE ELF WAS FIRST SPECIFIED BY U.S. L. AND U.I.  
FOR UNIX SYSTEM V, IN 1989

THE ELF IS USED, AMONG OTHERS, IN:

- LINUX, ANDROID, \*BSD, SOLARIS, BEOS
- PSP, PLAYSTATION 2-4, DREAMCAST, GAMECUBE, WII
- VARIOUS OSES MADE BY SAMSUNG, ERICSSON, NOKIA,
- MICROCONTROLLERS FROM ATMEL, TEXAS INSTRUMENTS

