

IA32 Instruction-Set Architecture

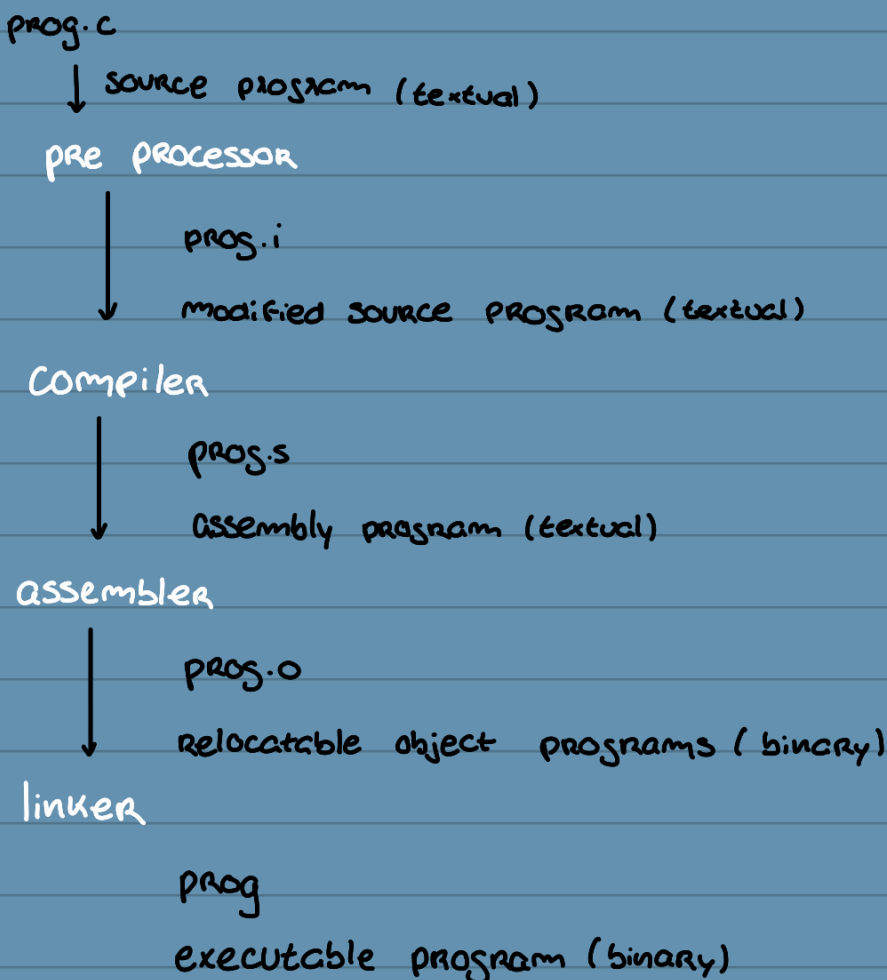
Compilation of C code to assembly

A program written in a high-level

interface between ...

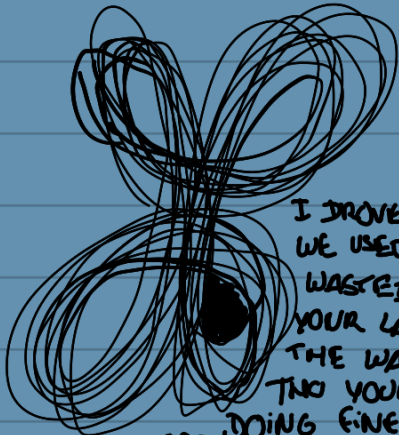
Compilation System

To run a C program, each statement must be translated into a sequence of low-level machine-language instructions.



These instructions are packed in an executable object program, and stored as binary

processing phase



I DROVE BY ALL THE PLACES
WE USED TO HANG OUT GETTING
WASTED, I THOUGHT ABOUT
YOUR LAST KISS, HOW IT FELT,
THE WAY YOU TASTED. AND EVEN
THO YOUR FRIENDS TELL ME YOU'RE
DOING FINE, ARE YOU SOMEWHERE
WHEN FEELING LONELY EVEN THO HE'S RIGHT BESIDE YOU?
HE SAYS THOSE WORDS THAT HURT YOU, DO YOU
READ THE ONES I WROTE YOU? SOMETIMES I START TO
WONDER WAS IT JUST A LIE? IF WHAT WE HAD WAS REAL
HOW COULD YOU BE FINE? I REMEMBER THE DAY YOU
TOLD ME YOU WERE LEAVING. I REMEMBER THE MAKEUP
DOWN YOUR FACE. AND THE DREAMS YOU LEFT BEHIND
YOU DIDN'T NEED THEM. LIVE EVERY OTHER WISH WE'VE
EVER MADE. I WISH THAT I COULD WAKE UP W/ AMNESIA, AND
FORGET ABOUT THE STUPID LITTLE THINGS, LIKE THE WAY IT
FELT TO FALL ASLEEP NEXT TO YOU AND THE MEMORIES I
NEVER CAN ESCAPE, CAUSE IM NOT FINE AT ALL.
THE PICTURES THAT YOU SENT ME THEY'RE STILL LIVING IN MY
PHONE. I'LL ADMIT I LIKE TO SEE THEM I'LL ADMIT I FEEL ALONE