18-1/	C regram - strid.(Hinclude (strial) int main () printf("Yo"); return Y;	\$ cc stopid.c \$./a.a.t Yo \$	
Statement and the second secon			
- Annual Control of the Control of t	compiler driver (cc)	te.	7
distribution and materials and a survey of the second second second second second second second second second		includes => asm	
	CPP	((0)	
and the second s			executable
Addition and the second se	object = machine code +	terber order grant er	
Management demonstrates to a sixter of the control	exe = machine code +	stiff	
paga antique de companya antique de la companya de			
	Styridis:		
	-main: push % rbp		
Standing Street Michigan Control of Control	mov % rsp. 200	p	1169-61-00-0
	lea Ox le (9/0rip), % rdi en where "You" is		
	mul \$0x0, -0	x 4 (% rbp)	
Manager grant and confidence on the control of the	mov \$0x0, % a		• 1 (
MANAGEMENT OF THE STATE OF THE	90 <u>calles</u> 7d mov 80x4, 40 e	E where	printt
	MON 90x4, 90 €	² a×	
	add 90x10, % 051	>	
	Pop obrop		
	retg		
	symbol resulution - napping names to definitions relocation - moving things to share memory		
		and the state of t	
And the second s			

```
18-3 Object File (ELF)
O ELF Header - "ELF" + version + offset of the table
    atext ___ muchine code
    · rodata - raw bytes that , text reads ( coast int x = 72;)
    . data - initialized globals - intx=32;
    , bss - uninitialized globals - one number = its size (int x [1000]; }
    . Symtab - mapping from sym to offset (only visible)
   relitext — relocations in text region [offset, symbol]

relidata — data (int * y = \theta x_i)
   - de buy - contains de buy in formation (DWARF)

. line - mapping from source line to assembly in itert

. strtab - abunch of bytes
(char) (64)
   section header table - section-id + offset
street & int name;
                                 (offset rato strtab)
                                  ( offset into the section)
              int valve;
             int size;
                                  ( how big the real thing is)
                                  (duta, func, section, file name)
             char type: 4,
              binding: M;
                                  (local or global)
             char reserved;
                                (which section is the offset indo) }
            chan section;
global - non-statiz
                                         estelibin >
local - static
external - says "extern"
                                        extern voids malloc (size-+);
```