

Overview

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- 1 Overview
 - References
 - Programming

"Self-service Linux: Mastering the Art of Problem Determination", Mark Wilding
"Computer Architecture: A Programmer's Perspective", Bryant & O'Hallaron

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Linux Commands

```
gcc -O2 -o p p1.c p2.c
```

```
gcc -O2 -S code.c
```

```
(gdb) x/19xb sum
```

```
objdump -d code.o
```

```
gcc -O2 -o prog code.o main.c
```

```
objdump -d prog
```

```
int accum = 0;
```

```
int sum(int x, int y)
{
    int t = x + y;
    accum += t;
    return t;
}
```

```
int main()
{
    return sum(1, 3);
}
```

```
int simple(int *xp, int y)
{
    int t = *xp + y;
    *xp = t;
    return t;
}
```

C	Intel Data	GAS	Size
char	Byte	b	1
short	Word	w	2
int	Double Word	l	4
unsigned	Double Word	l	4
long int	Double Word	l	4
unsigned long	Double Word	l	4
char *	Double Word	l	4
float	Single Precision	s	4
double	Double Precision	l	8
long double	Extended Precision	t	10/12