

Program Structure

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Arguments to main()

```
main(int argc, char *argv[])
{
    int i;
    for (i = 0; i < argc; i++)
        printf("%s\n", argv[i]);
}
```

Arguments to main()

Compiling

```
gcc -o main main.c
```

Running

```
./main How are you
```

Output

```
./main
```

```
How
```

```
Are
```

```
you
```

Multiple source files

- In main.c

```
#include "sum.h"
```

```
main( )
```

```
{
```

```
    sum( 3 , 5 ) ;
```

```
}
```

Multiple source files

- In sum.h

```
void sum (int, int);
```

Multiple source files

- In sum.c

```
#include <stdio.h>
#include "sum.h"

void sum(int x, int y)
{
    printf("%d", x+y)
}
```

Multiple Source Files

Compiling

```
gcc -o main main.c sum.c
```

Running

```
./main
```

Multiple source files

- Hiding sum()
 - In file sum.c

```
static void sum(int x, int y)
{
    printf("%d", x+y)
}
```


Multiple Source Files

Compiling

- `gcc -o main main.c sum.c`

`/tmp/cc6Yiex1.o: In function `main':`

`main.c:(.text+0x2b): undefined reference to
`sum'`