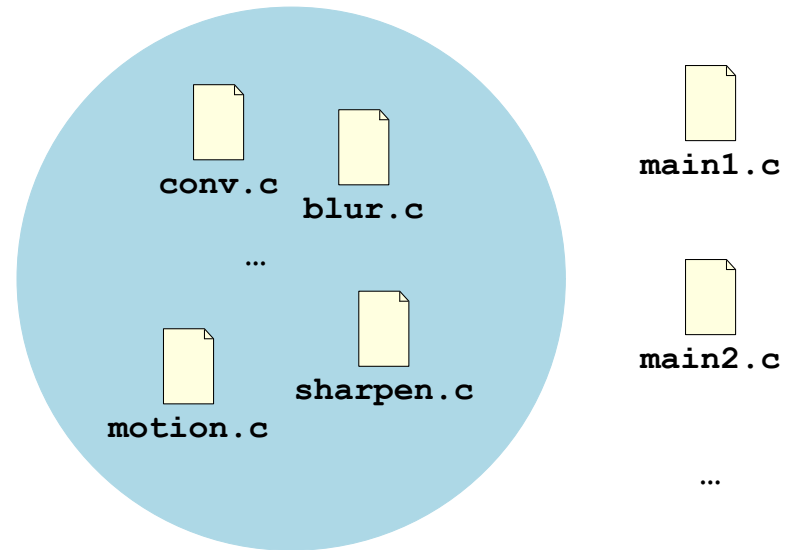


Libraries



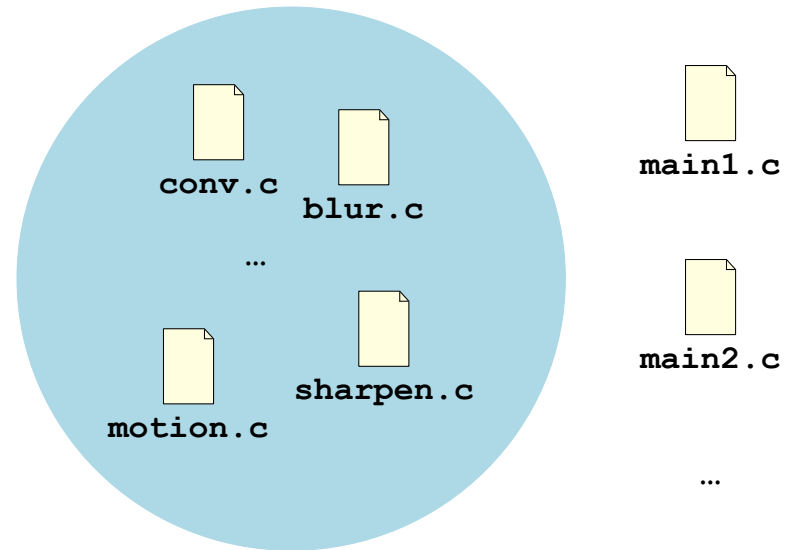
```
gcc -c conv.c
```

```
gcc -c blur.c
```

```
...
```

```
gcc -o main1 main1.o conv.o blur.o motion.o sharpen.o ...
```

Libraries



```
gcc -c conv.c
```

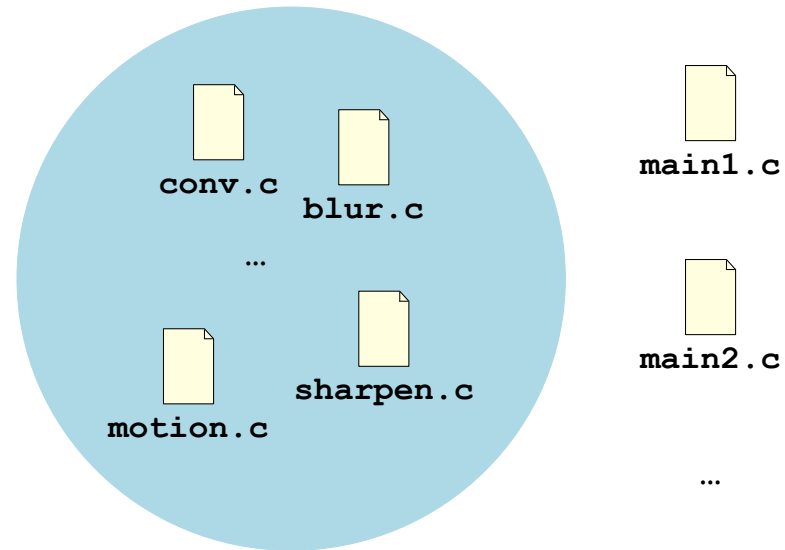
```
gcc -c blur.c
```

```
...
```

```
ar -ruv image.a conv.o blur.o motion.o sharpen.o ...
```

```
gcc -o main1 main.c image.a
```

Libraries



```
gcc -c conv.c
```

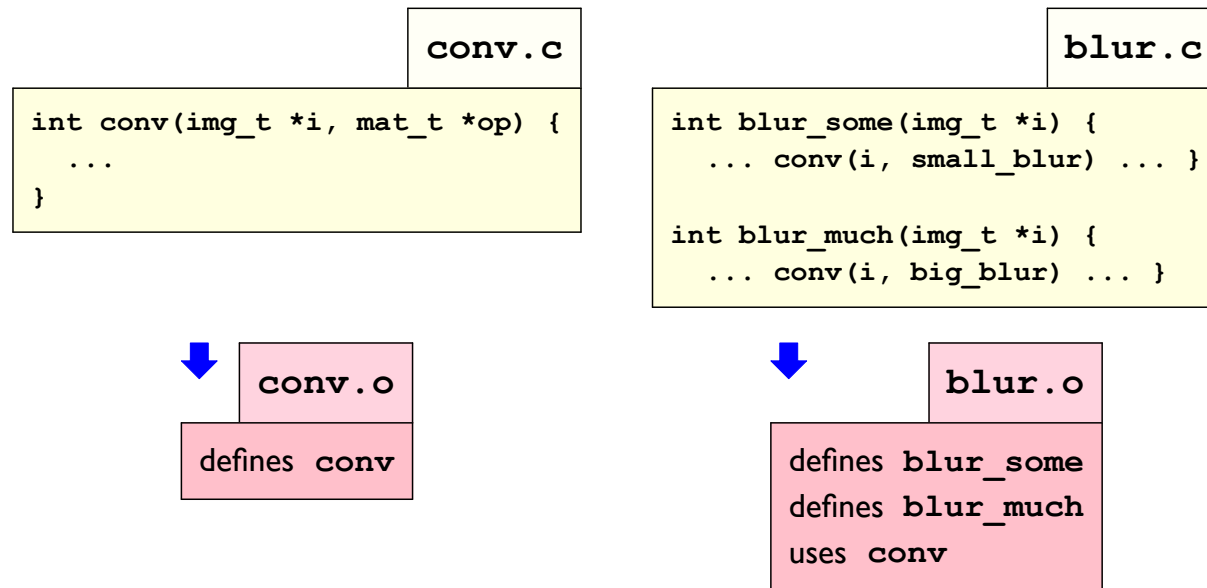
```
g  
.
```

create a **library** (specifically: a **static library**)

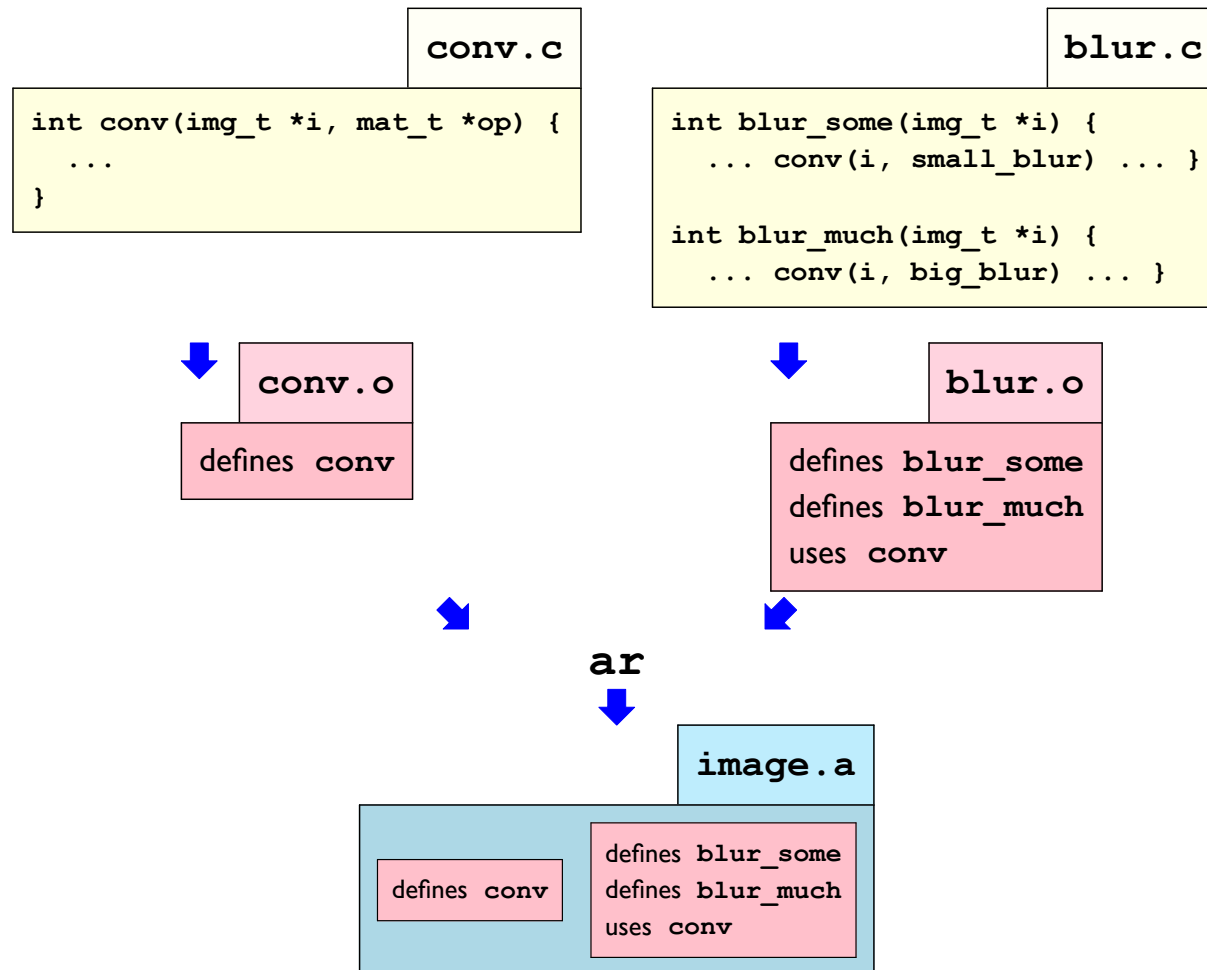
```
ar -ruv image.a conv.o blur.o motion.o sharpen.o ...
```

```
gcc -o main1 main.c image.a
```

Libraries



Libraries



Linking to Installed Libraries

Supplying

`-lname`

to `gcc` is equivalent to supplying

`/path/to/libname.a`

`-lc = /lib64/libc.so`

Linking to Installed Libraries

Supplying

`-lname`

to `gcc` is equivalent to supplying

`/path/to/libname.a`

`-lssl3 = /usr/lib64/libssl3.so`

Linking to Installed Libraries

Supplying

`-lname`

to `gcc` is equivalent to supplying

`/path/to/libname.a`

`-lbsd-compat = /usr/lib64/libbsd-compat.a`

Linking to Installed Libraries

Supplying

-lname

to **gcc** is equivalent to supplying

/path/to/libname.a

gcc adds **-lc** automatically, which is why calling **printf** works