**Create library: Use the ar (archive) utility:**

ar rcs libweather.a weatherstats.o

r - replace (if already in)

c - create if doesn't exist yet

s - create index for fast access

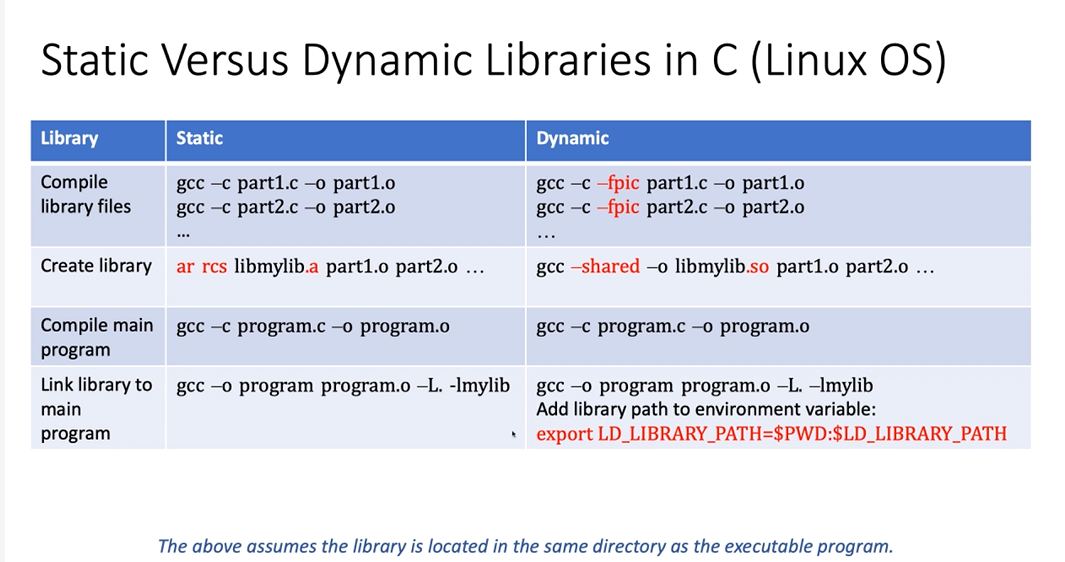
(there are the most popular options)

**link program: The linker is able to read ar files and extract object file(s) from it.**

gcc -std=c11 -Wall -fmax-errors=10 -Wextra -o program program.o libweather.a

**Or:**

gcc -std=c11 -Wall -fmax-errors=10 -Wextra -o program program.o -L. -lweather



**Update library:**

ar rcs libweather.a weatherio.o weatherstats.o

**link program:**

gcc -std=c11 -Wall -fmax-errors=10 -Wextra -o program program.o -L. -lweather

