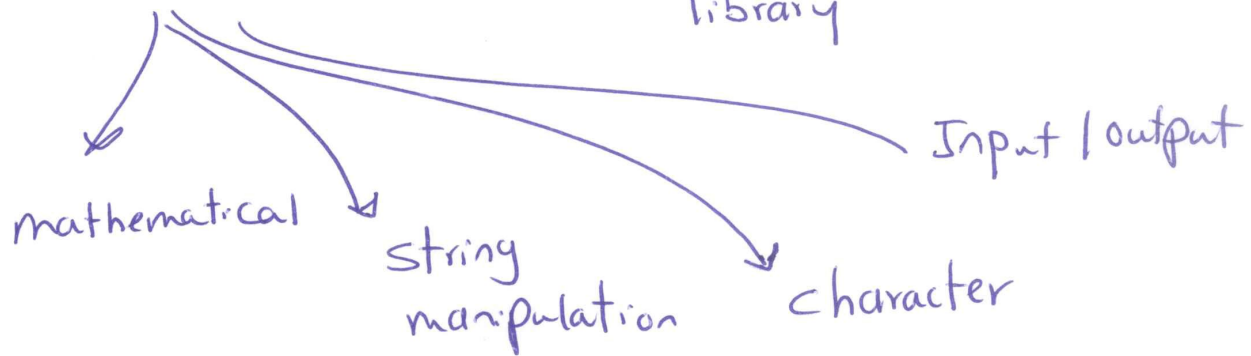


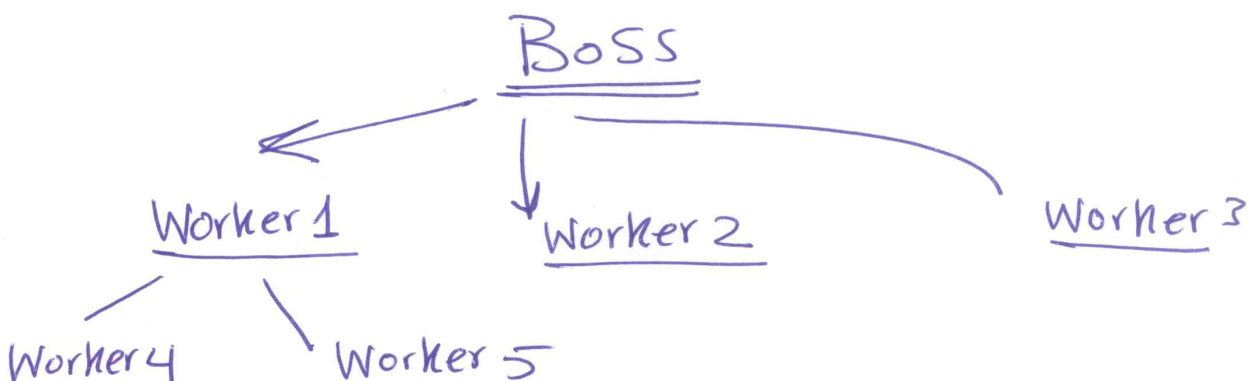
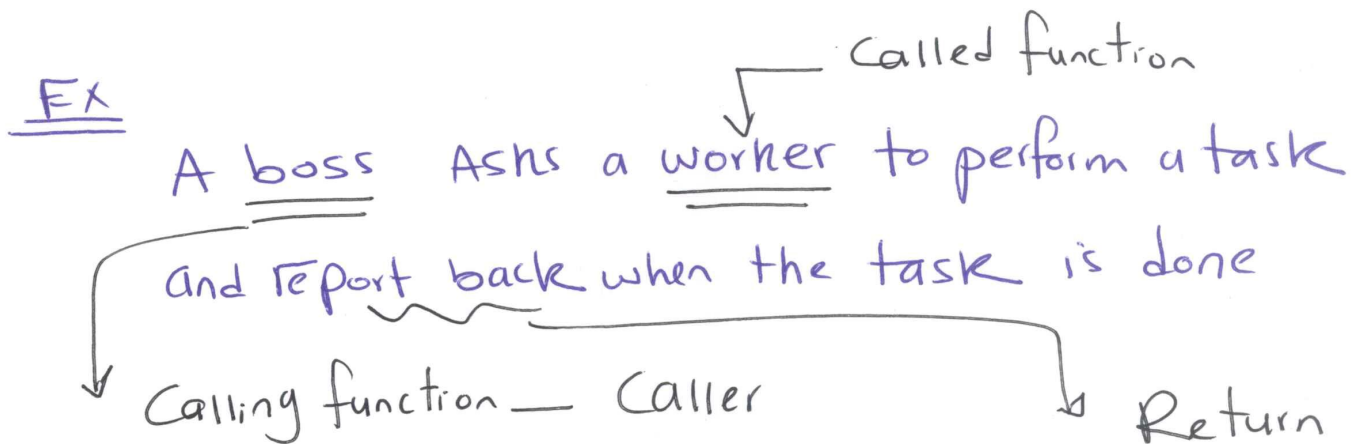
- modules in C are called functions
- prepackaged function $\Rightarrow$ C standard library



- Avoid Reinventing the wheel

EX printf — scanf — pow

- programmer-defined function $\Rightarrow$ Your own function



math libraryyou need preprocessor
directive

printf ("%f", sqrt (900.0))

- using a function is in some ways like hiring someone to perform a specific job for you

How to write a function① Void line (void);⇒ prototype
= declarationmain ()
{

② line ()

⇒ Calling

}

③ Void line (void)
{

}

⇒ function itself
is function definition
→ function declaration

To Conclude

- A prototype declares a function
- A function call executes a function
- A function definition is the function itself

Local variable

- Variable used in function is known only to line () — it is invisible to main ()

↳ add this to main ()

printf ("%d", J); $\Rightarrow$ Compiler error

i.e.

Variables defined in a function are unknown outside the function

- Visibility $\Rightarrow$ which function know about a variable and which do not

- local variable $\Rightarrow$ automatic variable

↳ automatically created when a function is called and destroyed when the function returns