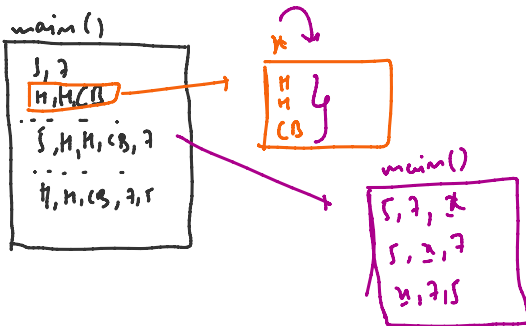
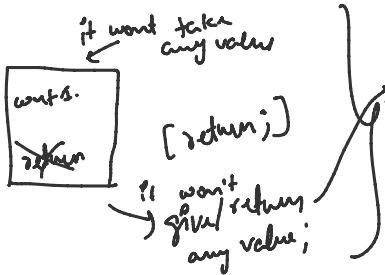


They are blocks of code containing some logic/code which can be called/used from anywhere inside program.



4 types of containers that we can make in C++:

Void



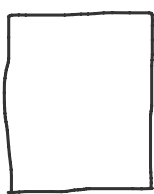
void contains_name() {
// code.
}

pass X

usage → contains_name(); → Value X

proper syntax of functions / diff types of functions/containers we can make

(11)
void



it does take some value

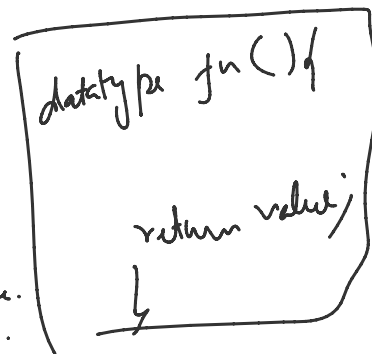
doesn't return any value.

(12)



doesn't take any value

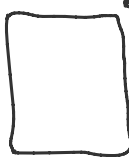
but returns some value or a value.



int main()
{

return 0;
}

(13)



take some value/values

return a value.

datatype fn(parameters)
{
return value;
}

take some value means :- when it is called/invoked from anywhere inside the program it

take some value means :- when it is called / invoked from anywhere inside the program it requires some value to be given by that part of program to it, in order to achieve / complete its task.
and these values are called as parameters.

return some value means :- the value, the function / contains returns / gives back to the point from where it was invoked / called is called return value. And whatever is the type of return value a function gives back, it is the type name of function.

syntax for writing a function.

typename function_name(parameters, param, ...)
{
}

(int, char, bool, float, double, void)

and the type of this value is called return type
// tasks
return value
}

syntax for calling a function.

if return value is void.
→ function_name(value1, value2, ...);

else.

→ ① cout << function_name(v1, v2, ...);
② datatype / return type variable = function_name(v1, v2, ...);
int int