Appendix-B: *Project*

Typical Layout of C++ Project:

```
                          ┌──────────┐
                          │ Project  │
                          └──────────┘
                 ┌──────────┐        ┌──────────┐
                 │  Module  │ · · ·  │  Module  │
                 └──────────┘        └──────────┘
                              ┌──────────┐    ┌──────────┐
                              │ Function │- - │ Function │
                              └──────────┘    └──────────┘
                     ┌───────────┐    ┌───────────┐
                     │ Statement │    │ Statement │
                     └───────────┘    └───────────┘
```
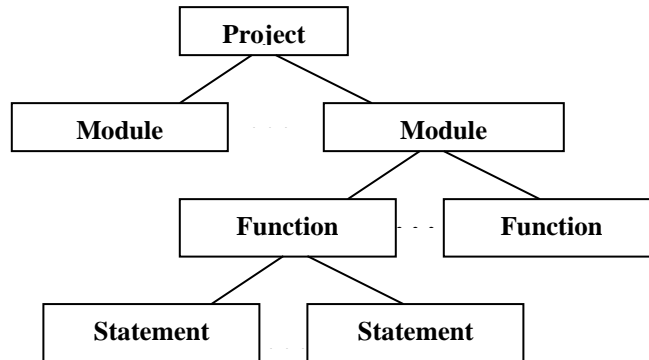
A project is equivalent to an executable file.

A module is represented by a file with extension ".cpp".

Function is a building block in module.

Coding Statements must be defined inside function. But Declaration Statements might be defined outside any function.

A project can consist of a single module.

During compilation, the compiler compiles module by module and generate object files.

The linker links all the object files together with system library objects to form an executable file.