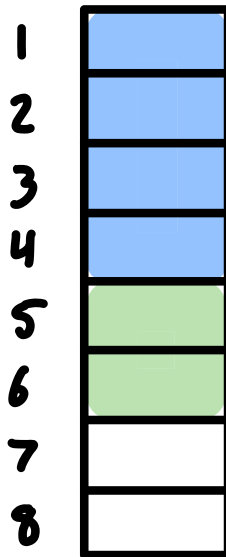


- 1) variable of type integer (4 bytes)
variable of type short short (2 bytes)



Address for integer: 1

Address for short short: 5

2) A compiler is a program that translates a high-level language (C++) into a machine language and the linker is a program that combines the object code from routines and the object code from the C++ program.

3) Main memory also known as RAM can be directly accessed by the processing unit. On the other hand, secondary memory cannot be directly accessed by the processor.

4) Analysis and specification of the task: Problem definition
Design of the software: Object and algorithm design
Implementation: Coding