



GLASS = variable

WATER = value

Variable: variable stores some value in it .

Declare variable before use

Declaration

“_announcing the properties of variables to the compiler.”

Properties

1 size of variable

2 name of variable

Second definition of variables

Definition: allocating memory to a variables (When a variable is declared compiler automatically allocates memory for it)

“Most of the time declaration and definition will be done at the same time “

Example int var;

Int (name of variable)

Var; data type: how much space a variable is going to occupy in memory.

initialization

Int var = 3;

Variable = vary - able ,

Important note : each variable must be defined only once .but it can be use multiple time with different assignment in your program .

- ☐ Same variable name can be defined in different block of code