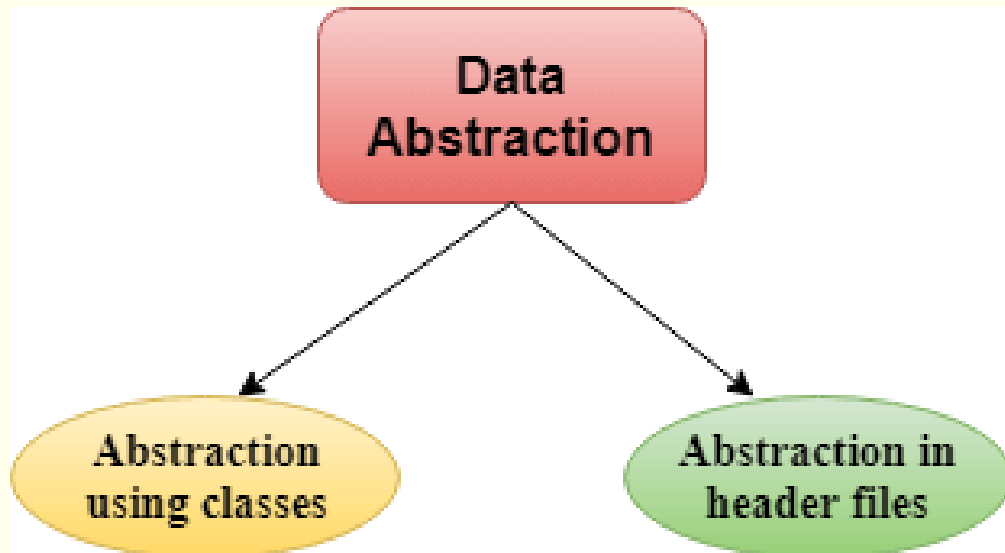# What is Abstraction?

Data abstraction displays only the necessary information to the user and hides all the unnecessary details. This reduces program complexity efforts.

Data Abstraction can be achieved in two ways:

Abstraction using classes: An abstraction can be achieved using classes. A class is used to group all the data members and member functions into a single unit by using the access specifiers. A class has the responsibility to determine which data member is to be visible outside and which is not.

e.g., Abstract class, Interface.

Abstraction in header files: Another type of abstraction is header file. For example, pow() function available is used to calculate the power of a number without knowing which algorithm function uses to calculate the power.