

Ques 2 (a) what is the operator overloading? what is the usefulness of operator overloading?

Ans - operator overloading:  $\rightarrow$  Operator overloading refers to use of same name for diff. purposes.

The process of overloading involves the following steps:

(1) create a class that define the datatypes that is to be used in overloading operation.

2) Declare the operator function (OPC) in the public part of the class.

It may be either a member function or a friend function.

3) Define the operator function to implement the required operation.

Usefulness of operator overloading:  $\rightarrow$

(1) The program become easier to read.

2) The programmer need not to waste time in searching for a new name of similar function.

3) The programmer can devote more time on logic development and need not to remember diff. function name.

4) Better understanding of the relation b/w the programmer and the outside world.

5) easy maintainability of the code.

(6) we can't use friend function to overload but use member function to overload them.