

① write a C++ Program to Create a class called STACK using an array of integers. Implement the following operations by overloading the operators  $+$  and  $--$ .

- a)  $S1 = S1 + ele;$  where  $S1$  is an object of the class STACK and  $ele$  is an integer to be pushed on the top of the stack.
- b)  $S1 = --S1;$  where  $S1$  is an object of the class STACK.  $--$  operator pops the element.
- c) Use a `display()` routine to display the contents of the stack.

⑩



2. Write the C++ program by making operator functions as non-member functions in the previous question. (10)

