grere (stl)

on quee are performed in <u>FIFO</u> (First in first out) Principle.

To use queve as STL, we need to first include queve library—

#include queve>

Thow to declare a greve
queue < int > q;

raniable

regrood Data type

· operations on queve

1.) push()/emplace()

- Push 1) is used for insert the element in queue.
- · you can use emplace () instead of push ()
- The main difference between push () and emplace() is emplace() is faster and cheaper than Push ().

eg. For Push ()

q. push (+); // (+)

q. push (2); // (+,9)

q. push (2); // (+,9,2)

q. emplace (5); // (+,9,2,5).

eout << 9. front U; // output: 7

3. Popl)

Remove the first element of queve.

Cout << 9. front (); // output; 7

Popl);

Cout << 9. front (); // output; 9

· Access the last element of queve. cout << q. back(); // output: 5 5.> sizel)

• It will give the size of queve

// { 9, 2, 5 }

Cout << 9. sizel); //output: 3

empty Use it will return follow.

Cout << 9. empty U); // output: 0