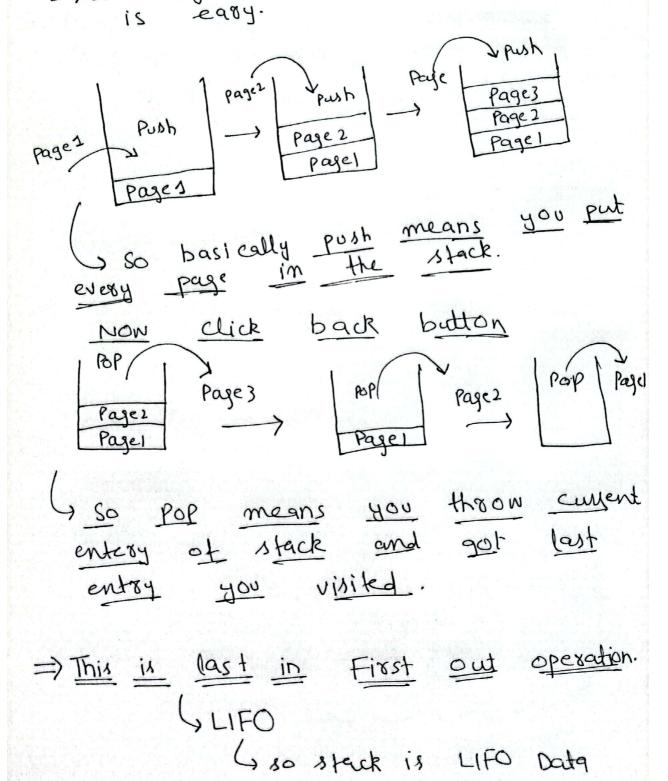
Application ?

If you visit page 1 then go to page 2 Ee then page 3 in a browner. Ly Now you are at page 3 and to you click on back button. and to go to page 2. => so using stack this implementation



Push | Pop element => O(1) (T.C)

search element by value => O(n) (T.C)

because you have

to go through

every element.

Use of Stack :

→ Function calling in any programming language is managed using a stack.

If function a was call the it call function b a then b called c.

→ compiler store the order to the previous function.

-> to ctrl + 7 function in any editor uses stack to track last operation.

Stack Implementation,

Python: using list

C++: Std: stack

(std::stack < int 7 stk;)

stk. push (5);

stk. push(89);

stk. pop();

- → In Python if we use list to implement stack it can be costly as lists are dynamic so (if space ended) it has to copy all the elements to new space.
- -> So we will use collection.deque()
 for stack These are bound on
 doubly linked lists.