

STACK

➤ INTERNAL WORKING OF STACK ?

- > stack inherit vector means uses features of vector
- > it follow LIFO principle

➤ CODE FOR STACK :

```
➤ public class Stack_01 {  
  
    public static void main(String[] args) {  
  
        Stack<Integer> stack = new Stack<>();  
  
        // push () for add  
        stack.push(1);  
        stack.push(2);  
  
        // pop () for remove  
        Integer removedElements = stack.pop();  
  
        // peek () dekhna k liye  
        Integer dekhna = stack.peek();  
  
        // isEmpty ()  
        stack.isEmpty();  
  
        // size ()  
        stack.size();  
  
        // search () : it is 1 based index and also searching  
        happen from the top  
        stack.search(3);  
  
        // LINKED LIST USE AS STACK ?  
        LinkedList<Integer> linkedList = new  
        LinkedList<>();  
        linkedList.addLast(1);  
        linkedList.addLast(2);  
        linkedList.addLast(3);  
  
        linkedList.getLast(); // peek  
        linkedList.removeLast(); // pop  
        linkedList.size();  
        linkedList.isEmpty();  
    }  
}
```

```
}  
}
```