APIs

Summary:

- `Math..exact`
  - for arithmetic overflow
- Iterator
- Scanner
- String
- StringBuilderr
- Set (HashSet)
- List (Arraylist)
- LinkedList
- Stack
- Queue (LinkedList, PriorityQueue)
- PriorityQueue
- Map (HashMap)

Iterator:

- hasnext
- next
- remove

Scanner:

- findinline(Pattern)
- hasNext..int,byte,pattern()
- next...Int

String:

- charAt
- codePointCount(int begin,int end) returns unicode(ASCII) points within range
- valueOf
- toLowercase()

StringBuilder:

- append()..int,char,etc.
- charAt
- insert(int i, char,int, string...)
- toString

Set(Hashset):

- add
- clear
- clone
- contains
- isEmpty
- iterator
- remove
- size

List (ArrayList):

- add(E e),(int ind, E e)
- clear

- get(int x)
- indexOf
- set(int ind, E e)
- remove

LinkedList (LinkedList):

- add(E e),(int i, E e)
- addFirst
- addLast
- get(int i)
- peek
- remove
- set

Stack (Stack):

- empty()
- peek
- pop
- push
- search(E e)

Queue (LinkedList, PriorityQueue):

- Interface with multiple implementations

PriorityQueue (Binary Heap):

- add(E e)

APIs notes

- iterator
- poll()
- peek()

Map (HashMap):

- put
- size
- get
- contains

Comparator:

- `implements Comparator<T>`
- override compare method