

Java vs Python for LeetCode Cheat Sheet

1. Input/Output & Loops

Task	Java	Python
For loop over list	for (int num : nums)	for num in nums:
Print	System.out.println(val);	print(val)
Read from array	nums[i]	nums[i]

2. Arrays & Lists

Task	Java	Python
Sort array	Arrays.sort(nums);	nums.sort()
Create list	List<Integer> list = new ArrayList<>();	list = []
Add to list	list.add(val);	list.append(val)
Remove from list	list.remove(i);	list.pop(i)
Length	nums.length or list.size()	len(nums)

3. Hash Maps & Sets

Task	Java	Python
Create map	Map<Integer, Integer> map = new	map = {}
Put key-value	HashMap<>(); map.put(k, v);	map[k] = v
Get with default	map.getOrDefault(k, 0);	map.get(k, 0)
Create set	Set<Integer> set = new HashSet<>();	s = set()
Add to set	set.add(x);	s.add(x)

4. Queues, Stacks, Heaps

Task	Java	Python
Stack (LIFO)	Stack<Integer> s = new Stack<>(); s.push(x); s.pop();	stack = [] stack.append(x) stack.pop()
Queue (FIFO)	Queue<Integer> q = new LinkedList<>(); q.add(x); q.poll();	from collections import deque q = deque() q.append(x) q.popleft()

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Min Heap	PriorityQueue<Integer> pq = new PriorityQueue<>(); pq.add(x);	import heapq heapq.heappush(pq, x)
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5. Useful Tricks

Task	Java	Python
Reverse string	new StringBuilder(s).reverse()	s[::-1]
String to char array	s.toCharArray()	list(s)
Check char is digit	Character.isDigit(c)	c.isdigit()
Substring	s.substring(i, j)	s[i:j]

6. Functional Programming

Task	Java	Python
Lambda	(x) -> x * 2	lambda x: x * 2
Map	nums.stream().map(x -> x*2).toList()	list(map(lambda x: x*2, nums))
Filter	nums.stream().filter(x -> x > 0)	filter(lambda x: x > 0, nums)

7. Python-Only Perks

Task	Java	Python
Counter		from collections import Counter Counter(nums)
defaultdict		from collections import defaultdict d = defaultdict(int)
List comprehension		[x*x for x in nums if x > 0]