

Array Problems Solutions

Online Python Compiler (Inter)

programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler

Google Ads

New to Google Ads?

Claim Now

Programiz PRO

main.py

Run

Share

Output

Clear

```
1 from typing import List
2 def first_palindromic_string(words: List[str]) -> str:
3     for word in words:
4         if word == word[::-1]:
5             return word
6     return
7 print(first_palindromic_string(["abc", "car", "ada", "racecar", "cool"]))
8
```

ada

--- Code Execution Successful ---

Google Ads

Grow your business with Google Ads.

Learn more

Nifty midcap

Q search

ENG IN

12:00

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)

def count_indices(nums1: List

programiz.com/python-programming/online-compiler/

Programiz

Python Online Compiler

Google Ads

New to Google Ads?

Claim Now

Programiz PRO

main.py

Run

Share

Output

Clear

```
1 from typing import List
2 def count_indices(nums1: List[int], nums2: List[int]) -> List[int]:
3     set_nums2 = set(nums2)
4     set_nums1 = set(nums1)
5     answer1 = sum(1 for num in nums1 if num in set_nums2)
6     answer2 = sum(1 for num in nums2 if num in set_nums1)
7     return [answer1, answer2]
8
9 print(count_indices([4, 3, 2, 3, 1], [2, 2, 5, 2, 3, 6]))
10
```

[3, 4]

--- Code Execution Successful ---

Google Ads

...Get up to ₹60,000 in Ads credit.

Terms apply.

Claim Now

BSE midcap

20.11%

Q search

ENG IN

12:02

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)

def countIndices(nums: List)

programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler

Google Ads

...Get up to ₹60,000 in Ads credit.

Terms Apply.

Claim Now

Programiz PRO

main.py

Run

Share

Output

Clear

```
1 from typing import List
2 def sum_of_squares(nums: List[int]) -> int:
3     n = len(nums)
4     result = 0
5     for i in range(n):
6         seen = set()
7         for j in range(1, n):
8             seen.add(nums[j])
9             result += len(seen) ** 2
10    return result
11 print(sum_of_squares([1, 2, 1]))
12
13
```

15

--- Code Execution Successful ---

Google Ads

...Get up to ₹60,000 in Ads credit.

Terms apply.

Claim Now

NIFTY

16.34%

search

ENG IN

12:02

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)

def count_pairs(nums: List[


programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler

Premium Coding Courses by Programiz



Programiz PRO

Programiz PRO >

main.py

Share

Run

Output

Clear

```
1 from typing import List
2 def count_pairs(nums: List[int], k: int) -> int:
3     count = 0
4     n = len(nums)
5     for i in range(n):
6         for j in range(i + 1, n):
7             if nums[i] == nums[j] and (i - j) % k == 0:
8                 count += 1
9     return count
10 print(count_pairs([3, 1, 2, 2, 1, 3], 2))
11
```

4

--- Code Execution Successful ---

Google Ads

New to Google Ads?

Claim Now

NIFTY

Q search

ENG IN

12:03

23-01-2025

Array Problems Solutions

Online Python Compiler (Interj...

def countIndices(nums: List<...


programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler




Premium Coding Courses by Programiz



Programiz PRO

Programiz PRO >

main.py



Share

Run

```
1 from typing import List
2 def find_max(nums: List[int]) -> int:
3     return max(nums) if nums else None
4 print(find_max([1, 2, 3, 4, 5]))
5
```

Output

Clear


5

--- Code Execution Successful ---

Programiz PRO

Premium Courses by Programiz

Learn More



https://googleads.g.doubleclick.net/pcs/click?ai=AKAQssTgCc6DVH21WN70G01N-w5y11toHdMLU8RS20dHEa5...

NIFTY

12.03

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)


def countIndices(nums: List)

programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler



Japan opens up trade and diplomacy with the Global South
Sponsored by: Produced by Reuters PI...

Programiz PRO >

main.py

Run

Output

Clear


```
1 from typing import List
2 def sort_and_find_max(nums: List[int]) -> int:
3     if not nums:
4         return None
5     nums.sort()
6     return nums[-1]
7 print(sort_and_find_max([5, 3, 7, 2, 1]))
```

```
7
--- Code Execution Successful ---
```

Programiz PRO

Premium Courses by Programiz

Learn More



NIFTY

10.34%

Search

ENG IN

12:04

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)

def countIndices(nums: List)


programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler

Premium Coding Courses by Programiz



Programiz PRO

Programiz PRO

main.py

Run

Share

```
1 from typing import List
2 def unique_elements(nums: List[int]) -> List[int]:
3     return list(set(nums))
4 print(unique_elements([3, 7, 3, 5, 2, 5, 9, 2]))
```

Output

Clear


```
[2, 3, 5, 7, 9]

--- Code Execution Successful ---
```

Programiz PRO

Premium Courses by Programiz

Learn More



SENSEX

10.30%

search

ENG IN

12:04

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)

def countIndices(nums: List)


programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler

Premium Coding Courses by Programiz



Programiz PRO

Programiz PRO

main.py

Share

Run

```
1 from typing import List
2 def bubble_sort(nums: List[int]) -> List[int]:
3     n = len(nums)
4     for i in range(n - 1):
5         for j in range(n - 1 - i):
6             if nums[j] > nums[j + 1]:
7                 nums[j], nums[j + 1] = nums[j + 1], nums[j]
8     return nums
9 print(bubble_sort([64, 34, 25, 12, 22, 11, 90]))
```

Output

Clear


[11, 12, 22, 25, 34, 64, 90]

--- Code Execution Successful ---

Programiz PRO

Premium Courses by Programiz

Learn More



SENSEX

12.05

23-01-2025

Array Problems Solutions

Online Python Compiler (Inter)

def countIndices(nums: List)


programiz.com/python-programming/online-compiler/

All Bookmarks

Programiz

Python Online Compiler

Premium Coding Courses by Programiz



Programiz PRO

Programiz PRO

main.py

Run

Share

```
1 from typing import List
2 def binary_search(arr: List[int], key: int) -> int:
3     low, high = 0, len(arr) - 1
4     while low <= high:
5         mid = (low + high) // 2
6         if arr[mid] == key:
7             return mid
8         elif arr[mid] < key:
9             low = mid + 1
10        else:
11            high = mid - 1
12    return -1
13 sorted_arr = [-9, 3, 4, 6, 8, 9, 10, 30]
14 print(binary_search(sorted_arr, 10))
15 print(binary_search(sorted_arr, 100))
16
```

Output

Clear

```
6
-1
--- Code Execution Successful ---
```

JS

GO


PHP

Python

SENSEX

10.30%

search



ENG

IN

12:05

23-01-2025

Programiz PRO

Premium Courses by Programiz

Learn More



```
main.py
1 from typing import List
2 def merge_sort(nums: List[int]) -> List[int]:
3     if len(nums) <= 1:
4         return nums
5     mid = len(nums) // 2
6     left = merge_sort(nums[:mid])
7     right = merge_sort(nums[mid:])
8     return merge(left, right)
9
10 def merge(left: List[int], right: List[int]) -> List[int]:
11     sorted_list = []
12     i = j = 0
13     while i < len(left) and j < len(right):
14         if left[i] < right[j]:
15             sorted_list.append(left[i])
16             i += 1
17         else:
18             sorted_list.append(right[j])
19             j += 1
20     sorted_list.extend(left[i:])
21     sorted_list.extend(right[j:])
22     return sorted_list
23 print(merge_sort([5, 2, 9, 1, 5, 6]))
24
25
```

Output

```
[1, 2, 5, 5, 6, 9]
--- Code Execution Successful ---
```

Clear

