

BAIPAM

Search

Star Telugu

Symbol Ta

Sentence

Upload file

indusind

python

Online Pyt

FREE AI C

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

Programiz

Python Online Compiler

Programiz PRO

main.py

Run

Output

Clear

```
1 def create_lists():
2
3     empty_list = []
4
5     single_element_list = [1]
6
7     identical_elements_list = [5] * 5
8     negative_numbers_list = [-1, -2, -3, -4, -5]
9
10    return empty_list, single_element_list, identical_elements_list,
        negative_numbers_list
11 empty_list, single_element_list, identical_elements_list,
    negative_numbers_list = create_lists()
12 print("Empty List:", empty_list)
13 print("Single Element List:", single_element_list)
14 print("Identical Elements List:", identical_elements_list)
15 print("Negative Numbers List:", negative_numbers_list)
```

```
Empty List: []
Single Element List: [1]
Identical Elements List: [5, 5, 5, 5, 5]
Negative Numbers List: [-1, -2, -3, -4, -5]

=== Code Execution Successful ===
```

25°C
Partly cloudy

Search

ENG
IN

23:51
11/02/2025

BAIPAM

Search

Star Telugu

Symbol Te

Sentence

Upload file

indusind

python a

Online Pyt

FREE AI C

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

Programiz
Python Online Compiler

Programiz PRO

main.py

Run

Output

Clear

```
1 def selection_sort(arr):
2     n = len(arr)
3     for i in range(n):
4
5         min_index = i
6         for j in range(i + 1, n):
7             if arr[j] < arr[min_index]:
8                 min_index = j
9
10        arr[i], arr[min_index] = arr[min_index], arr[i]
11    return arr
12
13 input_array = [5, 2, 9, 1, 5, 6]
14 sorted_array = selection_sort(input_array)
15 print(sorted_array)
```

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

25°C
Partly cloudy

Search

ENG
IN

23:52
11/02/2025

BAIPAM

Search

Star Telugu

Symbol Ta

Sentence

Upload file

indusind

python

Online Py

FREE AI C

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

Programiz

Python Online Compiler

Programiz PRO

main.py

Run

Output

Clear

```
1
2 def bubble_sort(arr):
3     n = len(arr)
4     for i in range(n):
5         swapped = False
6         for j in range(0, n-i-1):
7             if arr[j] > arr[j+1]:
8                 arr[j], arr[j+1] = arr[j+1], arr[j]
9                 swapped = True
10        if not swapped:
11            break
12    return arr
13
14 # Example usage
15 numbers = [64, 34, 25, 12, 22, 11, 90]
16 sorted_numbers = bubble_sort(numbers)
17 print("Sorted array:", sorted_numbers)
18
```

Sorted array: [11, 12, 22, 25, 34, 64, 90]
=== Code Execution Successful ===

25°C
Partly cloudy

Search

ENG
IN

23:54
11/02/2025

python online compiler - Yahoo...Online Python Compiler (Interp...Online Python Compiler (Interp...FREE AI Code Generator: Generi...+


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

☆🔍🔖🌐🔒

Programiz

Python Online Compiler

Premium Coding Courses by Programiz



Programiz

PRO

Programiz PRO >

main.py

🔍⚙️🔗 ShareRun

```
1 def insertion_sort_with_duplicates(arr):
2     for i in range(1, len(arr)):
3         key = arr[i]
4         j = i - 1
5         while j >= 0 and key < arr[j]:
6             arr[j + 1] = arr[j]
7             j -= 1
8         arr[j + 1] = key
9     return arr
10 input_arr = [3, 1, 4, 1, 5, 9, 2, 6, 5, 3]
11 sorted_arr = insertion_sort_with_duplicates(input_arr)
12 print(sorted_arr)
13
```

Output

Clear

```
[1, 1, 2, 3, 3, 4, 5, 5, 6, 9]


=== Code Execution Successful ===
```

Programiz

PRO

Premium Courses by Programiz


Learn More



24°C

Mostly sunny

Search



ENG IN

09:26 12/02/2025

python online compiler - Yahoo...Online Python Compiler (Interp...FREE AI Code Generator: Gener...Online Python Compiler (Interp...+

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

ProgramizPython Online CompilerProgramiz PRO

main.py

Share

Run

Output

Clear

```
1 def findKthPositive(arr, k):
2     missing_count = 0
3     current = 1
4     index = 0
5
6     while missing_count < k:
7         if index < len(arr) and arr[index] == current:
8             index += 1
9         else:
10            missing_count += 1
11            if missing_count == k:
12                return current
13            current += 1
14 arr = [2, 3, 4, 7, 11]
15 k = 5
16 print(findKthPositive(arr, k))
17
```

9
=== Code Execution Successful ===

24°C
Mostly sunny

Search

ENG
IN

09:16
12/02/2025

python online compiler - Yahoo

Online Python Compiler (Interp...

FREE AI Code Generator: Gener...

Online Python Compiler (Interp...


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

☆

Programiz

Python Online Compiler

BHAVANA SINGH



Vote for your favorite DIVA

VOTE NOW

MISS DIVA

Voting Lines Open until 7th February 2020

Programiz PRO >

main.py

Share

Run

```
1 def find_peak(nums):
2     left, right = 0, len(nums) - 1
3
4     while left < right:
5         mid = (left + right) // 2
6
7
8         if nums[mid] < nums[mid + 1]:
9             left = mid + 1
10        else:
11            right = mid
12
13    return left
14
15
16 nums = [1, 2, 3, 1]
17 peak_index = find_peak(nums)
18 print(f"Peak index: {peak_index}")
19
```

Output

Clear


Peak index: 2

=== Code Execution Successful ===

Programiz PRO

Premium Courses by Programiz


Learn More




24°C

Mostly sunny

Search





ENG IN

09:18

12/02/2025

python online compiler - Yahoo...Online Python Compiler (Inter...FREE AI Code Generator: Gener...Online Python Compiler (Inter...+

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

ProgramizPython Online Compiler

Premium Coding Courses by Programiz

Programiz PRO

Programiz PRO >

main.py

Run

Output

Clear

```
1 def find_needle_in_haystack(haystack: str, needle: str) -> int:
2     return haystack.find(needle)
3
4
5 haystack = "sadbutsad"
6 needle = "sad"
7 output = find_needle_in_haystack(haystack, needle)
8 print(output)
9
```

0
=== Code Execution Successful ===

Programiz PRO

Premium Courses by Programiz

Learn More

24°C
Mostly sunny

Search

ENG
IN

09:19
12/02/2025

python online compiler - Yahoo...Online Python Compiler (Interp...FREE AI Code Generator: Gener...Online Python Compiler (Interp...+
programiz.com/python-programming/online-compiler/

Programiz
Python Online Compiler

Programiz PRO >

main.py

Share

Run

```
1 def find_substrings(words):
2     result = []
3     for i in range(len(words)):
4         for j in range(len(words)):
5             if i != j and words[i] in words[j]:
6                 result.append(words[i])
7                 break
8     return result
9
10 words = ["mass", "as", "hero", "superhero"]
11 print(find_substrings(words))
12
```

Output

Clear

```
['as', 'hero']

=== Code Execution Successful ===
```

24°C
Mostly sunny

Search

ENG
IN

09:20
12/02/2025