



```
Challenge3.2asaluau292922129038
lists of students.
2 class Student:
3     def __init__(self, name,
4         roll_number, cgpa):
5         self.name = name
6         self.roll_number = roll_number
7         self.cgpa = cgpa
8
9 def sort_students(student_list):
10     sorted_students =
11     sorted(student_list, key=lambda student:
12         student.cgpa, reverse=True)
13     return sorted_students
14
15 # Example usage:
16 student1 = Student("Alice", "S123", 3.7)
17 student2 = Student("Bob", "S124", 3.9)
18 student3 = Student("Charlie", "S125",
19     3.5)
20 student4 = Student("David", "S126", 3.8)
21
22 students = [student1, student2,
23     student3, student4]
24
25 sorted_students = sort_students(students)
26
27 # Print the sorted list of students by
28 # CGPA in descending order
29 for student in sorted_students:
```

main.py

Run



Challenge3.2asaluau292922129038



```
12 # Example usage:
13 student1 = Student("Alice", "S123", 3.7)
14 student2 = Student("Bob", "S124", 3.9)
15 student3 = Student("Charlie", "S125",
16 3.5)
17
18 student4 = Student("David", "S126", 3.8)
19
20 students = [student1, student2,
21 student3, student4]
22
23 sorted_students = sort_students(students)
24
25 # Print the sorted list of students by
26 # CGPA in descending order
27 for student in sorted_students:
28     print(f"Name: {student.name}, Roll
29 Number: {student.roll_number}, CGPA:
30 {student.cgpa}")
```



main.py

 Run

Challenge3.2asaluau29292...  
replit.com

Challenge3.2asaluau292922129038



```
➤ /nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik  
-python3-wrapper/bin/python3 $file
```

```
Name: Bob, Roll Number: S124, CGPA: 3.9
```

```
Name: David, Roll Number: S126, CGPA: 3.8
```

```
Name: Alice, Roll Number: S123, CGPA: 3.7
```

```
Name: Charlie, Roll Number: S125, CGPA: 3.5
```

```
➤
```



&gt;\_ Console



Run





Challenge3.1asaluau292922129038 (1)

```
9  # Example usage:
10 products = ["apple", "banana", "apple",
11             "orange", "apple"]
11 target = "apple"
12 result = linear_search_product(products,
13                                 target)
13 if result:
14     print(f"The product '{target}' was
15         found at indices: {result}")
15 else:
16     print(f"The product '{target}' was
17         not found in the list.")
```

Ln 16, Col 64 History



main.py



Run





Challenge3.1asaluau292922129038 (1)



```
> /nix/store/zqk3m21442kvpjwd3rh41wdavqkzkyik  
-python3-wrapper/bin/python3 $file  
The product 'apple' was found at indices: [0,  
2, 4]  
>
```



&gt;\_ Console



Run

