



DOC-20230926-WA0014.

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main.py



challenge ...



DOC-20230...



```
1  def linearSearchProduct(productList,
    targetProduct):
2      indices = []
3
4      for index, product in enumerate
        (productList):
5          if product == targetProduct:
6              indices.append(index)
7
8      return indices
9
10
11 # Example usage:
12 products = ["shoes", "boot", "loafer",
    "shoes", "sandal", "shoes"]
13 target = "shoes"
14 result = linearSearchProduct(products,
    target)
15 print(result)
```



```
1 class Student:
2
3     def __init__(self, name, roll_number, cgpa
4         ):
5         self.name = name
6         self.roll_number = roll_number
7         self.cgpa = cgpa
8
9     def sort_students(student_list):
10         # Sort the list of students in decending
11         order of CGPA
12         sorted_students = sorted(student_list,
13             key=lambda student:student.cgpa,
14             reverse=True)
15         # Syntax -lambda arg:exp
16         return sorted_students
17
18 # Example usage:
19 students = [
20     Student("Hari", "A123", 7.8),
21     Student("Srikanth", "A124", 8.9),
22     Student("Saumya", "A125", 9.1),
23     Student("Mahidhar", "A126", 9.9),
24 ]
```





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```
20     Student("Hari", "A123", 7.8),
21     Student("Srikanth", "A124", 8.9),
22     Student("Saumya", "A125", 9.1),
23     Student("Mahidhar", "A126", 9.9),
24 ]
25
26 sorted_students = sort_students(students)
27
28 # Print the sorted list of students
29 for student in sorted_students:
30     print(f"Name: {student.name}, Roll Number:
        {student.roll_number}, CPGA: {student
        .cgpa}")
31
```