



Challenge3.1 :

Exit

```
1  def
   linearsearchproduct(product_list,
   target_product):
2      indices = []
3  for i in range(len(product_list)):
4      if product_list[i] ==
   target_product:
5          indices.append(i)
6      return indices
7
8  products = ["shoes", "boot",
   "loafer", "shoes", "sandal", "shoes"]
9  target = "shoes"
10 result =
   linearsearchproduct(products, target)
11 print(f"Indices of '{target}' in the
   list: {result}")
```

Ln 1, Col 1 • Spaces: 2 History



main.py





Challenge 3.2 :



```
1 class Student:
2     def __init__(self, name,
3         roll_number, cgpa):
4         self.name = name
5         self.roll_number = roll_number
6         self.cgpa = cgpa
7
8 def sort_students(student_list):
9     sorted_students =
10     sorted(student_list, key=lambda
11         student: student.cgpa, reverse=True)
12     return sorted_students
13
14 students = [
15     Student("Anushya", "A123", 3.8),
16     Student("Archana", "B456", 3.5),
17     Student("Jothika", "C789", 4.0),
18     Student("Kaviya", "D012", 3.7),
19 ]
20
21 sorted_students =
22     sort_students(students)
23
24 for student in sorted_students:
25     print(f"Name: {student.name},
26         Roll Number: {student.roll_number},
```

Ln 21, Col 91 • Spaces: 2 History



main.py

