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'''
Implement a function called sort_students that takes a list of student objects as input
and sorts the
list based on theri CGPA (Cumulative Grade Point Average) in descending order.Each
student object
has the following attributes: name(string), roll_number (string),and cgpa (float). Test
the function
with different input lists of students.
'''

class Student:

  def __init__(self, name, roll_number, cgpa):
    self.name = name
    self.roll_number = roll_number
    self.cgpa = cgpa


def sort_students(student_list):
  #sort the list pf students in descending order of CGPA
  sorted_students = sorted(student_list,
        key=lambda student:   student.cgpa,
              reverse=True)
  #syntax - lambda arg:exp
  return sorted_students


#Example usage:
students = [
    Student("Hari", "A123", "7.8"),
    Student("Sasi", "A124", "8.9"),
    Student("Brindha", "A125", "9.1"),
    Student("Hubert", "A126", "9.9"),
]

sorted_students = sort_students(students)

#print the sorted list of students
for student in sorted_students:
   print("Name: {}, Roll Number: {}, CGPA: {}".format(student.name,
                                    student.roll_number,
                                                student.cgpa))
```