"""

Implement a function called sort_student that takes a list of student objects as input and sorts the list based on their 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 of 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("Srikanth", "A124", "8.9"),
    Student("Sowmya", "A125", "9.1"),
    Student("Madhumitha", "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))
```