''' Implement a function ca
lled sort_students that tak
es a list of students object
s as input and sorts the lis
t based on their CGPA(Cu
mulative Grade Point Aver
age) in descending order.
Each student object has th
e following attributes: nam
e(string), roll_number(stri
ng), and cgpa(float). Test
the function with different
input lists of students.'''

```
class Student:

  def __init__(self, name, r
oll_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 CG
PA

  sorted_students = sorted
(student_list, key= lambda
student: student.cgpa, rev
erse= True)

  return sorted_students

#example usage:

students = [
```

```
    Student("Saridha", "A123"
, 7.8),
    Student("Afra", "A124", 8.
9),
    Student("Varsha", "A125",
 9.1),
    Student("Afuusii","A126",
9.9)
]
sorted_students = sort_stu
dents(students)
#print the sorted list of st
udents
for student in sorted_stud
ents:
```

```
  print("Name: {}, Roll Num
ber: {}, CGPA: {}".format(st
udent.name, student.roll_n
umber, student.cgpa))
```