Def sort\_students(student\_list):

# Sort the student list based on CGPA in descending order

Sorted\_students = sorted(student\_list, key=lambda student: student.cgpa, reverse=True)

Return sorted\_students

# Define a Student class

Class Student:

Def \_\_init\_\_(self, name, roll\_number, cgpa):

Self.name = name

Self.roll\_number = roll\_number

Self.cgpa = cgpa

# Test the function with a list of student objects

Students = [

Student(“Alice”, “A001”, 3.9),

Student(“Bob”, “B002”, 3.7),

Student(“Charlie”, “C003”, 4.0),

Student(“David”, “D004”, 3.5)

]

Sorted\_students = sort\_students(students)

# Print the sorted list

For student in sorted\_students:

Print(f”Name: {student.name}, Roll Number: {student.roll\_number}, CGPA: {student.cgpa}”)