**CYPRUS
INTERNATIONAL
UNIVERSITY**

Spring 2024-2025
CMPE124/ISYE223
Algorithms and Programming
LAB WORK #6

Structures

Task 1:

Consider the following structure:

struct student
    {
  int id;
  float cgpa;
  }list[10];

    a) Write a complete C++ program that **scans 10 student IDs and corresponding cgpa** into the array list.
    b) Write a function to **display all the contents** of the structure.

Task 2:

Write the following functions:

a) A function that finds the **maximum cgpa**. The function should **display the student id and cgpa** of the student holding the maximum cgpa.

b) A function that displays the students who **scored cgpa above the average cgpa.** First , find the average cgpa, then **traverse the array and display those having cgpa above the average.**