Assignment on CSE 1203
1st year EVEN Semester, 2020 Series (for all sections)
Full Marks: 5+5
Date of Submission **20/12/2022**

Instructions:
   i)   It is an individual assignment
   ii)   Plagiarism is extremely prohibited
   iii) Submit handwritten copy directly to our office
   iv)   Submit softcopy of the program in Google classroom

Q1   [**Write C++ Program**] Suppose that you need to define classes for employee and manager
[**CO3**]   objects. An employee has a name, an employee code, salary and age. A manager is also an
       employee. But a manager object contains an additional list of references to employee objects
       that the manager supervises. An employee object should also contain a reference to his/her
       manager. A manager can supervises at most 10 employee. It is required to print details of
       employee or a manager. When information of an employee object is printed, his/her name,
       salary and age is printed. When information of a manager object is printed, his/her name, salary
       and age is printed and names of all the employees that he/she supervises are displayed. Define
       the classes keeping the following in mind :
       (a) References to employee objects can be added/deleted from the list of supervised
          employees in a manager object.
       (b) Reference to the manager object can be modified for an employee object

Q2   Write a GUI based **java program** to solve a real-life application. Your program should have
[**CO4**]   buttons, textbox, label, image, radio button, check box etc. Also prepare output when user
       interact with buttons.

       [**Example**: Centigrade to Fahrenheit temperature converter. **Remember this project will not be
       accepted**]