# ASSIGNMENT No. 3

**Problem Based Learning**

Course Title:Computer Programming

Course Code: CSC113

Class:BSCS 1(A,B) Submission deadline: 4th-January-23

Course Instructor: Azeema Sadia Marks: 10

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***Instructions***

1. Students will perform this assignment individually.
2. Deadline will not be extended for any reason.
3. Copied assignments will be marked zero
4. Submit your assignment in soft and hard copies both. Make a single pdf file and upload on LMS.
5. Solution must be designed by applying the following characteristics

**Problem/Scenario**

Recommended employees

Information of all employees

Text file 1 Test file 2

Program take input and stores it into files and prints data from text files

Consider yourself as software developers in an IT company. Your company is developing on a software for human resource tasks such as promoting people. This system will recommend deserving employees for promotion. You are assigned to **develop** a recommendation system for eligible candidates for promotion.

Your system considers following conditions to promote an employee.

* Years of experience must be more than 5 years
* Age of an employee should not be less than 30 years
* The employee must have done an international project recently (within last 2 years).

**Make** following functions/methods in order to complete this application

* Insert input of all employees (10 employees). Store this information in a text file as well.
  + Entre below given data into your system and store it in a text file
    - Employee id
    - Employee name
    - Years of experience
    - Status= yes/no (status of work in an international application development within last 2 years)
* **Make** a function which will read the stored information of employees from a text file and recommend eligible candidates (consider the above mentioned conditions for recommending an employee). Store these recommended candidates into another text file
* **Make** a function to Show data of all employees from a text file
* **Make** a function to Show data of shortlisted/recommended employees from a text file.

**Targeted CLOs**

CLO3, PLO3, BTL C3

**Evaluation Criteria**

1. Coding 70%
2. Viva 30%