**Exercise 1 :** Write a program to arrange an array of elements in ascending order using selection sort algorithm.

**Exercise 2 :** Write a program to construct two matrices and display the sum of those.

**Exercise 3 :** Write a program to construct an array with 10 elements and to find the number of

occurrences of each element in the Array.

**Exercise 4 :** Create the classes required to store data regarding different types of courses that employees In a company can enroll for. All courses have name and course fee. Courses are also either classroom delivered or delivered online. Courses could also be full time or part time. The

program must be menu based input which enables the course coordinator to register

employees for courses, list out employees registered for specific courses, deregister employees

from a course.

**Exercise 5 :** Design a class that acts as a library for the following kinds of media: book, video, and newspaper. The class should be with add and retrieve methods in order to add and retrieve values from the library.

**Exercise 6 :** Createa class called Employee which asks the user to input the name and the age of a employee. Raise a custom defined exception when the user enters an employee name

that has been already entered and raise another exception if the age is negative or less

than 18 or greater than 60.