**Assignmnet #4**

Create a Student Management Application having following classes:

1. Student (data members; GPA, Semester, Section)
   1. must inherit from Class Person (Data Members: Name, Phone, Gender)
   2. should have a data member of type Department
2. Department ((data members; name, location)

The application should have following functionalities:

1. Add a Student (Student should be stored in file)
2. Search a student By name
3. Search Students by Department
4. Update the GPA of student by name
5. Delete a Student by Name

Note: Students should be added in file and read from file. Front end should be GUI based.