**This project is made up of three classes**

Employee class which has -:

- A constructor for creating an employee object
- Getname() method which gets employees name
- Getid() method which gets employees id

SearchingAlgorithms class which comprises the following methods -:

- LinearSearch() method implements the linear search algorithm
- BinarySearch() method implements the binarysearch algorithm
- HashFunctionSearch() method implements the search by hash function

SortingAlgorithms class comprises the following methods

- SelectionSort() function impliments the selection sort algorithm
- QuickSort() function implements the quick sort algorithm

**To run the jar file** , use the following command   "java -jar  CS401prj.jar"

Make sure that the test Data ie . An employee data file . "emp.txt" is in the same directory as the jar file if you will use "read from a file option " when entering employees data