# Muhammad Shehzad

# Reg No. 6028

# BESE-4A

# Lab 7

## Introduction:

In this lab we have to create a spider (also known as crawler) application capable of indexing the local file system utilizing several threads, while the user queries will be accepted in at least 2 different threads. The spider should crawl through the file system, creating an easily searchable index of file paths, file names & contents. The user should then be able to search this index against keyword, getting back all the file paths where the keyword was encountered. It will perform smart search on the generated index by using regular expressions, by using a build automaton (e.g. Maven or Make).

## How to Run:

To run code open Eclipse/Netbeans and add java project. Copy given classes.

* Compile Lab7 class. It will ask you to enter string which you want to search. It will search that string from file names and also from contents of file.
* To run test cases run Lab7Test.

## Github link:

https://github.com/Muhammad-Shehzad/Ap\_Lab7\_Local\_Spider