Computer Science Workshop 2 (CSE 3141)
End-Term Project
CSIT-A

Write a program called Directory, which provides a listing of any directory contained in the current directory. This program should prompt the user for the name of the directory. It should then print a listing of that directory. The listing should contain the following information: The full path name of the directory, and then include the file name, length, and last modified date, and a read/write code for each file. The read/write code should be an r if the file is readable and a w if the file is writeable, in that order. Use a "-" to indicate not readable or not writeable. For example, a file that is readable but not writable will have the code r-.

```
Listing for directory: myfiles
  name              length  modified      code
  index.html        548     129098        rw
  index.gif         78      129190        rw
  me.html           682     128001        r—
  private.txt       1001    129000        ——
```

Note that the File.lastModified() returns a long, which gives the modification time of the file. This number can't easily be converted into a date, so just report its value.

Your project report consist of the following part.

Front page
Content

Problem statement
Problem analysis

Flow chart of the problem

Coding (JAVA as programming
language) Snapshot of input and output

Coding part must have with proper
documentation: Problem statement
Author details and date of editing

Proper variable name

Proper programming style

Evaluation process for end term project.

Total 20 marks which is distributed as follows:

[5] Problem statement, input and output, Problem analysis.

[5] Problem design and Flowchart.

[5] Adding innovative idea to the project.

[5] Coding.