Program 2
CSCI232
Due 11/8/19

Purpose: To traverse a binary tree 2 different ways using real life data

Research the following traversal methods:
breadth first search
depth first search

Using binary search tree code given to you, you will add to this code to provide for printing out the tree as breadth first and for depth first.

Your input will be classes.csv. This is the list of CSCI courses being taught in the spring 2020 semester here at MSU. I want you to use the DAYS-TIME-PLACE as your key. The value will include: title, number of sections, and number of seats available (remember to add them up for all the sections).

Your program will read in the input, and store it in the binary search tree by the key. Then print the tree breadth first and then depth first. This print will be 2 different tables – both with the following headings: ID, No. Sections, No. Seats, Title, When.

For Example (just showing the format, not what order it will print)

Breadth First -

ID	Sect	Seats	Title	When
CSCI 107	1	90	Joy and Beauty of Computing	MWF-1000-1050-GAINES043
CSCI 112	6	158	Programming with C I	MWF-0900-0950-BARNAR103

Due: Friday,11/8/19 at 11:30pm. No late submissions will be accepted.

Each student will complete and submit this assignment individually.

You *may*

- Share ideas with other people.
- Help other people debug their programs.

You may *NOT*

- Share code with other people.
- Submit code that you did not write.
- Modify someone else's solution and claim it as your own.
- You may not submit screenshots that do not come from the code you submitted

Submission: You will submit the source files, and screen shot of output (in a zip file) to brightspace.

Rubric: (50 points)

1. –25 points – coded the two methods of traversal
2. – 10 points – coded the main program as described above
3. – 15 points – output produces two tables in the two traversals specified