1. Write a program to find whether a file exist in a Folder/Subfolder or not.

Public bool IsFileExist(file\_name, folder\_path)

{

}

1. Create fixed length generic cache class.

Cache : On addition of new element in cache when it is full

              oldest element overwrite.

1. Using c# collections ,write a program to print generic binary tree in level order and spiral order.

Level order: 1,2,3,4,5,6,7

Spiral order: 1,2,3,7,6,5,4

1. Create a program which fulfills the following requirements.

End user requirements.

a) Bank wants a tokenized customer serving system.

b) Bank has N number of counters to serve the customers

c) If a counter is ready to serve then the priority should be given to privileged customer instead of first person in queue.

d) While assigning a token number to customer, you can ask user's name and its type, (normal user or privileged customer)

Technical requirement

a) Design the above problem on top of Queue data structure.

b) It should be generic enough so that it can be used by any program (Banking, hospitality, restaurant etc.)

Hint: need a priority queue functionality.