CCIPY





Third Year
Time allowed 3 Hours

JANUARY 2013

Attempt the following problems:

1

- a. Design a general purpose matrix multiplication program which multiplies an LxM matrix by MxN matrix to produce an LxN resulting matrix.
- b. Describe the binary search algorithm and write a VB.NET program to implement and test it. (15 mark)

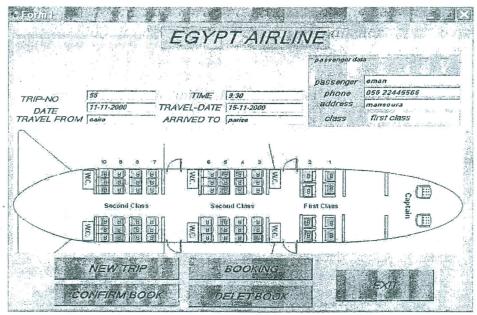
2.

- a. Write a VB.NET program to implement the two methods enqueue and dequeue then use it to perform radix sort on a given set of numbers.
- b. Use while loop to reverse the elements of a queue.

(15 mark)

- 3. Write a VB.NET program to implement the insert function of the binary tree. (15 mark)
- 4. Describe six common graph operations and write the two functions add vertix and add edge of the weighted graph.

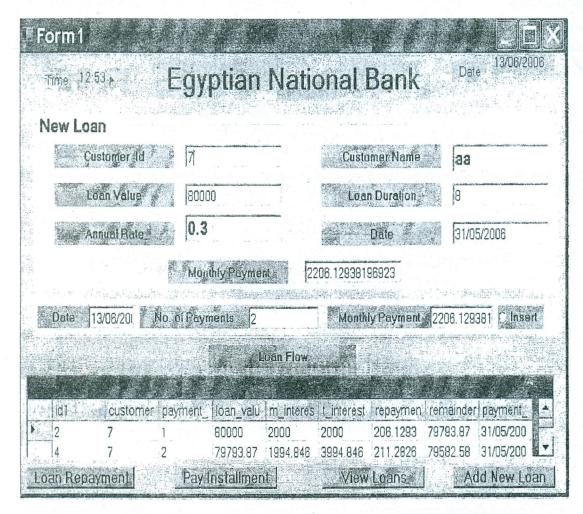
 (15 mark)
- 5. Write the VB.NET codes using random file for the form load and the BOOKING button of the following form.



(15 mark)

P.T.O.

6. Write VB.NET-SQL codes for the following interface.



(15 mark)

GOOD LUCK

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