



EASTERN UNIVERSITY, SRI LANKA
DEPARTMENT OF MATHEMATICS
FIRST EXAMINATION IN SCIENCE (2008/2009)
FIRST SEMESTER (Oct/Nov, 2014)
EXTCS 251 – PRACTICAL WORK ON EXTCS 201

ANSWER ALL QUESTIONS

TIME: TWO HOURS

Write a C++ program to sort an array of elements using “Bubble Sort”.

Write a C++ program to determine the **palindrome** using “Stack” and “Queue” data structures. Create the class or classes with the following methods:

To create a stack (stack());

To check whether a stack is empty (int empty());

To check whether a stack is full (int full());

To insert an element into the stack (void push(int c));

To delete an element from the stack (int pop());

To create a queue (queue());

To check whether a queue is empty (int empty());

To check whether a queue is full (int full());

To insert an element into the queue (void enqueue(int c));

To delete an element from the queue (int dequeue());

Eg: Input: pop

Output: Palindrome

Input: top

Output: Not a palindrome