Day 6 Assignment

Q-1) #include <stack>

int get\_max(stack &stack\_1) {

int current\_max = stack\_1.top();

stack stack\_2;

stack\_2.push(stack\_1.top());

stack\_1.pop();

while (!stack\_1.empty()) {

if (stack\_1.top() < current\_max) {

current\_max = stack\_1.top();

}

stack\_2.push(stack\_1.top());

stack\_1.pop();

}

while(!stack\_2.empty()) {

stack\_1.push(stack\_2.top());

stack\_2.pop();

}

  return current\_max;

}

Q-2) #include <iostream>

struct Node

{

int data;

Node\* link;

Node\* nextMin;

Node(int d):data(d), link(NULL), nextMin(NULL){}

};

class MinStack

{

private:

Node\* top;

Node\* min;

public:

MinStack():top(NULL),min(NULL){}

void push(int d);

int pop();

int getMinimum();

void printStack();

};