Data	Structures HW5-Abraham Murciano
Dint -	Pactor Count (int n, int i=1, int q=0) { (If the iteration variable (i) > the lowest quotient so far (q), all factors have been counted if (i >= q 82 q > 0) {
	return 0; // If i is a factor if (n/: i == 0) {
	q = n / i; /the lowest quotient is 1/i int numtactors = (i == q? 1: 2); //If i == q, theyre the same factor. Otherwise 2 fact return numtactors + factorCount(n, 1+1, q); 3 also 5
	} else { return factor Count (n, i+1, q); }
) bool	palindrome (string s) {
	if (5. length () < 2) } return true;
	If (s. front) == s. back()) { s. erase (0,1); // delete first character s. pop-back(); // delete last character
	return palindrone (s); } else { return lalse;
3	
	compareStacks(){ if (stackl. is Empty() && stack2. is Empty()){ return true;
	} if (stack1.is Empty() stack2.is Empty()){ return false; }
	int n1 = stack1.pop(), n2 = stack2.pop(); bool same = (n1 == n2); if (same) {
	same = compareStacks(); } etack1.push (n1);
3	stack 2. push (12); return same;
t) int	lg Fbor (int n, int i=0, int two PowI = 1) { if (n == two PowI) {
	if (n < twoPow I) {
	return i-1; } return lgFloor (n, i+1, twoPowI*2);
}	