CSC 212 Tutorial #4
Performance Analysis

21/10/2014

Important: This tutorial has an online part, which you should complete on the LMS.

Question 1: Find the total number of primitive operations and the Big Oh notation of the following methods:

	Statements	S/E	Freq.	Total
1	void findProduct(int n)			
2	{			
3	int product = 0;			
4	for (int i = 0; i<10; i=i+2)			
5	{			
6	product = product * i;			
7	}			
8	System.out.println(product);			
9	}			
	Total Operations			
	Big Oh			

Question 2:

	Statements	S/E	Freq.	Total
1	void findNestedProduct(int n)			
2	{			
3	int product = 0;			
4	for (int i = 0; i < n; i = i + 2)			
5	{			
6	for (int j = 0; j < 6; j ++)			
	product = product * i * j;			
7	}			
8	System.out.println(product);			
9	}			
	Total Operations			
	Big Oh			