

**North South University**  
**Department of Electrical and Computer Engineering**  
**CSE 215L: Programming Language II Lab**

**Lab – 5: Methods**

**Objective:**

- To learn about methods
- To learn to implement a program using multiple methods

**Task:**

1. Write a method `countVowels(String arg)` that takes a String as parameter and returns the number of vowels.
2. Write a method `isPalidrome(String arg)` that determines if a String is palindrome or not. Palindrome is when a String remains the same after reversing. The method should return boolean type.  
For example: MADAM is palindrome.
3. Write a program that has the following static variable - balance (initial value 0) and these static methods:  
`deposit(double amount):` Increase account balance  
`withdraw(double amount):` Decrease account balance

Now run an infinite loop in main program so it displays user with following options:

1. Deposit
2. Withdraw
3. Balance
4. Exit

Under each option, the program should ask for appropriate user input (i.e. amount to deposit).