

## CSE4014 DATA STRUCTURES & ALGORITHMS I

### ASSIGNMENT#2

- 1) Attached `linkedStackType` class will be used for the second assignment. Add method `isPalindrome()` to the test class (`testProgLinkedStack.cpp`). The method checks whether stack has the palindrome property or not.

```
template <class Type>
bool isPalindrome(linkedStackType<Type>& stack);
```

#### BONUS:

Overload the comparison operator is equal (`==`) in `linkedStackType` class and use for checking palindrome property.

```
template <class Type>
bool linkedStackType<Type>::operator==(const linkedStackType<Type>& a);
```

#### Sample outputs:

```
newStack:
1
2
3
2
1
Palindrome...
```

```
newStack:
5
4
3
2
1
NOT Palindrome..!
```

```
newStack:
m
a
d
a
m
Palindrome...
```

Use attached source codes to add new methods and send your solution as a complete project with `.rar` extension. (nameSurname2.rar)

**Deadline: 6<sup>th</sup> March 23:55!**