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Assignment 1 : StringClass Graphical Explanation

(i) **Pseudocode** (within StringClass.cpp);

1. Create an empty String, Initialize array to 0.

2. Create a string whose data is a copy of cString, Copy the array content after creating an array to hold the cString.

3. Destructs or delete an object (array).

4. Override the default copy constructor, Initialize a new object (array) from an existing one (array), Copy one element at a time until NULL.

5. Override the default assignment operator, Replaces the content of existing object (array), Copy values from one object (array) to another already existing object (array)

6. Create an output string.

7. Create a temporary value to hold the value to be reversed, a reverse function.

8. A concatenation operator is necessary to join more than 1 objects, Get the length of the left hand side (LHS) and right hand side (RHS) object (array) thus adding them together.

(ii) **Diagram/Chart**

s1.Put( );

s2.Put( );

U	N	I	V	E	R	S	I	T	Y	

s3.Put( );

O	F		R	E	G	I	N	A

s2.Reverse( ); //temporary value being created to hold the value to be reversed.

U	N	I	V	E	R	S	I	T	Y	

	Y	T	I	S	R	E	V	I	N	U