Course	CSC 215 – Programming Techniques
Name	Homework 10
Due Date	March 20 at 12:00 (noon)
Repository	Place in homeworks repository
Solution Name	hw10.sln
Project Files	hw10Double.cpp

Download hw10.zip from d2l (https://d2l.sdbor.edu) and save this to your computer.

Double click the downloaded zip file.
Highlight the contents and Press <ctrl>-C or click copy from the home tab menu

Browse to your homework repository and paste the contents there.
>   <ctrl>-V
>   Right click in the contents window and select paste
>   Click copy from the home tab menu.

Change into this folder and open hw10.sln
You will be writing your code in the hw10Double.cpp. Hw10.cpp contains the tests for your code and the doubly linked list class functions

Functions: There are 5 functions that you must rewrite by Tuesday at noon. You must have it pushed to your repository.
1) Constructor
2) Clear
3) Destructor
4) Print
5) Insert

Work on one function at a time. You will need to filter the tests being run by using visual studios command line options.
1) Enter "Constructors*"
2) Enter "Clear*"
3) Enter "Destructors*"
4) Enter "Print – Forward*", then "Print – Backwards*", and finally "Print*"
5) Enter "Insert*"

The order of rewriting the functions can make your life easier. Do them in the order listed in functions. Think about them. Do not drop to the command line to run the program.
You will need to delete the word from the unsortedDouble.h file to your program run your code rather than the code within the dll.

Example

The first function you should write is the constructor unsortedDouble()
In the header file, delete `UNSORTEDDOUBLE_API` from the constructor prototype.
Should look like the following
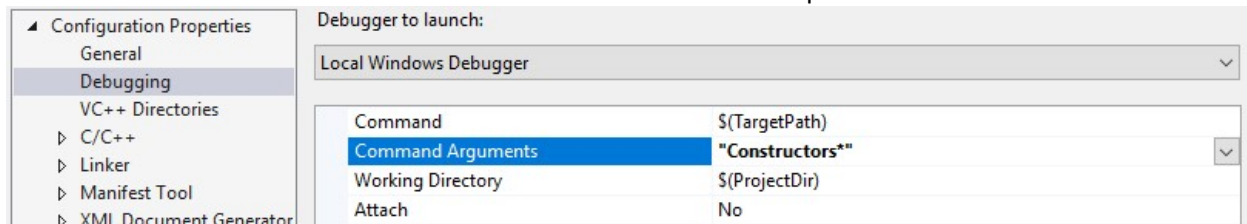Before:

```
class unsortedDouble
{
    public:
        UNSORTEDDOUBLE_API unsortedDouble ();
        UNSORTEDDOUBLE_API ~unsortedDouble ();
        UNSORTEDDOUBLE_API void clear ();
        UNSORTEDDOUBLE_API void print ( ostream &out, bool forward = true,
                                        string seperator = ", ");
        UNSORTEDDOUBLE_API bool insert ( string val, int pos=1);
```

After:

```
class unsortedDouble
{
    public:
        unsortedDouble ();
        UNSORTEDDOUBLE_API ~unsortedDouble ();
        UNSORTEDDOUBLE_API void clear ();
        UNSORTEDDOUBLE_API void print ( ostream &out, bool forward = true,
                                        string seperator = ", ");
        UNSORTEDDOUBLE_API bool insert ( string val, int pos=1);
```

Place the correct filter for which tests to run in the command line options within visual studio.

Configuration Properties	Debugger to launch:	
General	Local Windows Debugger	
Debugging		
VC++ Directories		
▷ C/C++	Command	$(TargetPath)
▷ Linker	Command Arguments	"Constructors*"
▷ Manifest Tool	Working Directory	$(ProjectDir)
▷ XML Document Generator	Attach	No

Now write your code in the file hw10Double.cpp

```cpp
#include "unsortedDouble.h"
#include <iostream>
#include <string>
#include <functional>

using namespace std;

// write your functions here.
|
```

You can download the documentation for each of the function from d2l.
Do not place it in the repository.
Unzip the file "Double.zip" that was downloaded.
Copy the directory to you desktop (Not the repository)
Open this directory and double click the index.html file.