Rami Wail Shoula: Day 5 Tasks (run)

I-   Q1: Complex class operations

```
C:\Users\Sarah\source\repos\Day5Problem_RamiWailShoula\x64\Debug\Day5Problem_RamiWailShoula.exe
Enter the Real  part of First Number: 12
Enter the imaginary  part of First Number: 8
12+8i

Enter the Real part of Second Number: 24
Enter the Imaginary part of second number: 16
24+16i

Addition is : (36)+(24)i

Subtraction is : (-12)+(-8)i

Multiplication is : (160)+(0)i

Division result  is : (0.5)+(0.461538)i
Multiplicatiion by No. operation for 1st No.:

Please enter No. for multiplication: 2
Multiplicatiion by No. is: (24)+(16)i
Division by No. operation for 1st No.:

Please enter No. for division: 4
Division by No. is: (3)+(2)i
Multiplicatiion by No. operation for 2nd No.:

Please enter No. for multiplication: 4
Multiplicatiion by No. is: (96)+(64)i
Division by No. operation for 2nd No.:

Please enter No. for division: 2
Division by No. is: (12)+(8)i
Press any key to continue . . .
```

II-   Q2: Implement Stack class, using dynamic allocation for the array

```
Q2: stack size is 10 elemnts only!
Kindly push elements into stack: Do you want to add (push) new element in stack? (1/0)
-11
incorrect selection, enter 1 for add or 0 for don't add:
55
incorrect selection, enter 1 for add or 0 for don't add:
1
enter int. stack element: 1
1 pushed to stack
Do you want to add (push) new element in stack? (1/0)
1
enter int. stack element: 22
22 pushed to stack
Do you want to add (push) new element in stack? (1/0)
1
enter int. stack element: 333
333 pushed to stack
Do you want to add (push) new element in stack? (1/0)
1
enter int. stack element: 4444
4444 pushed to stack
Do you want to add (push) new element in stack? (1/0)
1
enter int. stack element: 55555
55555 pushed to stack
Do you want to add (push) new element in stack? (1/0)
0
How many elements to remove (pop)? 3
55555 popped from stack
Top element is 4444
4444 popped from stack
Top element is 333
333 popped from stack
Top element is 22
Elements present in stack : 22 1
Press any key to continue . . .
```

III- Q3:

```
Elements present in stack : 22 1
Press any key to continue . . .
Q3: Copy constructor to class stack:
Q3: Copied stack before deletion is:
55555 4444 333 22 1
Copied stack after deletion (current stack) is:
22 1

C:\Users\Sarah\source\repos\Day5Problem_RamiWailShoula\x64\Debug\Day5Problem_RamiWailShoula.exe (process 20752) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

- Copying and printing original entered stack
- Since stack is FILO or LIFO (First in Last out)/(Last in First out) the first element is the last one popped
- I reversed the for loop to show this behavior as first element is always the lastmost saved (in the array representation)

Thank You! Very educative exercise 😊