

# Project#1 Report

**Results:** The result of my program was successful. It was able to read the Project.exe. For the Program I modified my Stack program from assignment 4 part 1-1 and added a setCapacity function that is unused and the very used evaluate function and as such the stack uses vectors to do all the stack stuff. I did attempt to make it so it would use the Pop and Top functions in evaluation but it wouldn't allow it.

```
C:\Users\charl\CLionProjects\Project#2\cmake-build-debug\Project_2.exe 2700 80 + 2 /  
1st operand  
add  
2700+80  
divide  
2780/2  
1390  
Process finished with exit code 0
```

```
C:\Users\charl\CLionProjects\Project#2\cmake-build-debug\Project_2.exe 50.1 30 + 2 /  
1st operand  
add  
50.1+30  
divide  
80.1/2  
40.05  
Process finished with exit code 0
```

```
C:\Users\charl\CLionProjects\Project#2\cmake-build-debug\Project_2.exe 400 40 100 * + 30 + 60 4 / -  
2nd operand  
divide  
60/4  
1st operand  
1st operand  
2nd operand  
multiply  
100*40  
add  
400+4000  
add  
4400+30  
subtract  
4430-15  
4415  
Process finished with exit code 0
```

```
C:\Users\charl\CLionProjects\Project#2\cmake-build-debug\Project_2.exe 10 20 + 5 - 5 / 2 *  
1st operand  
1st operand  
1st operand  
add  
10+20  
subtract  
30-5  
divide  
25/5  
multiply  
2*5  
10  
Process finished with exit code 0
```

**Setup:** For the coding the IDE I did it in was CLion and the path of the files is  
C:\Users\charl\CLionProjects\Project#2\ (name of files)

For testing I changed the configuration for the build and just used the main as testing and adding couts to the evaluate function to test where it might go wrong.