Week 3 Lab 4
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Task1:

Source code:

https://github.com/mashaelalzaid/w3l4_coding_with_c/blob/master/T1.c

Task2:

Source code:

https://github.com/mashaelalzaid/w3l4_coding_with_c/blob/master/T2.c

Task3:

```
[mashaelalzaid@ITs-MacBook-Pro test % gcc T3.c -o T3
[mashaelalzaid@ITs-MacBook-Pro test % ./T3
 enter integer
 2
Do you want to add more samples (y/n or 1/0) 1
 enter integer
 3
Do you want to add more samples (y/n or 1/0) 1
 enter integer
 4
Do you want to add more samples (y/n or 1/0) 0
 Avg is 3.000000
 Values after DC:
 -1       0       1       %
mashaelalzaid@ITs-MacBook-Pro test % 
```

Source code:
https://github.com/mashaelalzaid/w3l4_coding_with_c/blob/master/T3.c

Task4:

```
[mashaelalzaid@ITs-MacBook-Pro test % vi T4.c
[mashaelalzaid@ITs-MacBook-Pro test % gcc T4.c -o T4
[mashaelalzaid@ITs-MacBook-Pro test % ./T4
 Enter a command (p: push, o: pop, d: display, e: exit):
 p
 Enter integer to add it to the stack: 1

 Enter a command (p: push, o: pop, d: display, e: exit):
 p
 Enter integer to add it to the stack: 2

 Enter a command (p: push, o: pop, d: display, e: exit):
 p
 Enter integer to add it to the stack: 3

 Enter a command (p: push, o: pop, d: display, e: exit):
 d
 Values in stack after DC:
 1       2       3
 Enter a command (p: push, o: pop, d: display, e: exit):
 o

 Enter a command (p: push, o: pop, d: display, e: exit):
 d
 Values in stack after DC:
 1       2
 Enter a command (p: push, o: pop, d: display, e: exit):
 e
 mashaelalzaid@ITs-MacBook-Pro test % []
```

Source code:
https://github.com/mashaelalzaid/w3l4_coding_with_c/blob/master/T4.c

Malefile
Source code:
https://github.com/mashaelalzaid/w3l4_coding_with_c/blob/master/Makefile