

EE 2905

Dr. Johnson

Program 2

No capabilities beyond those
discussed in class or in the notes
are allowed

Write a calculator program to request 2 values and an operation and provide the result. Valid operations are: +, -, *, /. Use a while(1) loop to continuously ask for values.

Use the following input approach

```
float val1;  
...  
// read in value for val1  
printf("Please enter a value for left side of the operation ");  
scanf("%f", &val1);  
...
```

Note: read the operation
in as a character

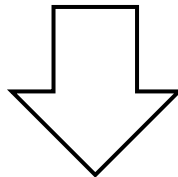
Use the following output approach

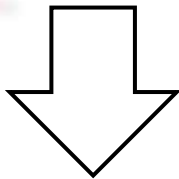
```
printf("%f %c %f = %f\n\n", val1, operation, val2, result);
```

Hint: - don't forget the space when scanning for characters!

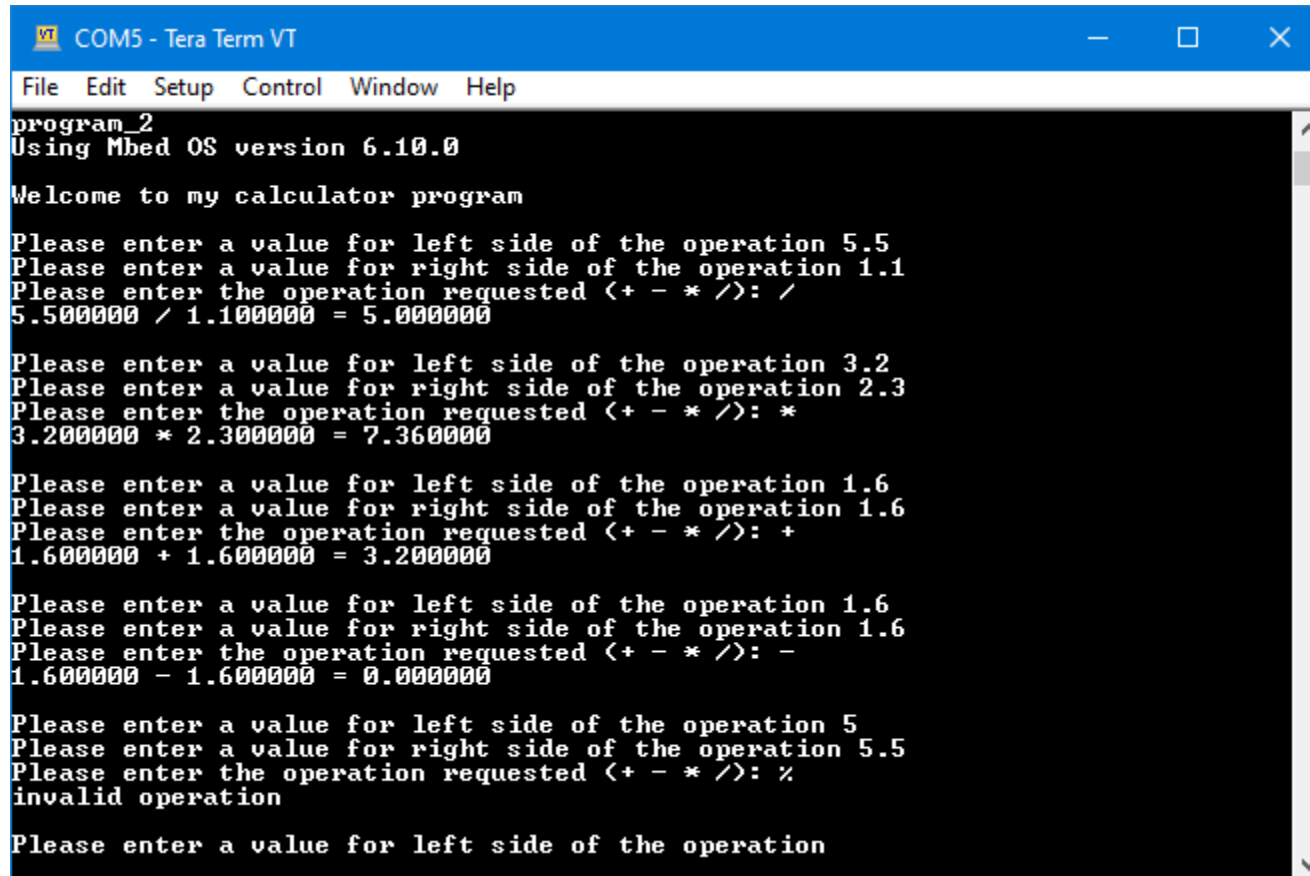
Turn in your code, and screenshots for values of

5.5	1.1	/
3.2	2.3	*
1.6	1.6	+
1.6	1.6	-
5	5.5	%





End up with something like this – check your values!



```
COM5 - Tera Term VT
File Edit Setup Control Window Help
program_2
Using Mbed OS version 6.10.0

Welcome to my calculator program

Please enter a value for left side of the operation 5.5
Please enter a value for right side of the operation 1.1
Please enter the operation requested (+ - * /): /
5.500000 / 1.100000 = 5.000000

Please enter a value for left side of the operation 3.2
Please enter a value for right side of the operation 2.3
Please enter the operation requested (+ - * /): *
3.200000 * 2.300000 = 7.360000

Please enter a value for left side of the operation 1.6
Please enter a value for right side of the operation 1.6
Please enter the operation requested (+ - * /): +
1.600000 + 1.600000 = 3.200000

Please enter a value for left side of the operation 1.6
Please enter a value for right side of the operation 1.6
Please enter the operation requested (+ - * /): -
1.600000 - 1.600000 = 0.000000

Please enter a value for left side of the operation 5
Please enter a value for right side of the operation 5.5
Please enter the operation requested (+ - * /): %
invalid operation

Please enter a value for left side of the operation
```