

UMass Boston CS 240
Homework 1
Due on September 29 at 5 PM (EDT)

Information:

- Read the updated course homework policies!
Link: <https://cs.umb.edu/~aaditya/course-policies.html>
- Use the program files given here as template: <https://cs.umb.edu/~aaditya/hw/01/>
- Each program has comment on top of the file, please fill the following details:
 - o Your Name,
 - o Date when created file,
 - o How you approached the solution? (3 marks / program)
 - o Challenges faced, if any (2 marks / program)
- Submit your homework program source code (.c files only) with the README file on Gradescope.

Homework programs (5):

1. Write a program to print “Hello World!!!” (15 marks)

Output of program1:
Hello World!!!

2. Write a program to display size of data types in C. (15 marks)

Output of program2:
Size of char: 1 byte
Size of int: 4 bytes
Size of float: 4 bytes
Size of double: 8 bytes

3. Write a program to display ASCII value of a character given as first parameter in command line argument. (15 marks)

Output of `program3 A`:
ASCII value of character A is: 65

4. Write a program to check whether the given integer is positive or negative. (15 marks)

Output of `program4 0`:
0 is neither positive nor negative

Output 2 `program4 -3`:
-3 is a negative number

Output 3 `program4 100`:
100 is a positive number

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5. Write a program to make a calculator, use the parameters passed as command line arguments. (15 marks)

Output of `program5 10 + 10`:
Result: 20

Output of `program5 10 - 5`:
Result: 5