UMass Boston CS 240
Homework 4
Due on November 15 at 5 PM (EDT)

**Information**:

- Homework files uploaded on: <https://cs.umb.edu/~aaditya/hw/04>
- Use the given homework files and update the existing code.
- After modifying, run the program files with sample input and verify the given output.
- Required comment on top of the program file, please fill the following details:

* Your Name,
* Date when created file,
* How you approached the solution
* Challenges faced

- Following homework files need to be submitted on **Gradescope**:
The filenames are case sensitive, kindly put all filenames as lowercase.

* program1.c – 20 points
* program2.c – 15 points
* program3.c – 20 points
* program4.c – 20 points
* program5.c – 20 points
* readme.txt – 5 points
	1. Students worked with:
	2. Books/Websites consulted:
	3. Time spent on homework (hours):

**Homework programs** (5):
More instructions are given in the homework program files.

1. program1.c - C Program to print prime numbers in the specified range using **for** loop.

Sample input:
Enter from: 10
Enter to: 20

Output:
11
13
17
19

1. program2.c - C Program to print prime numbers in the specified range using **while** loop.

Sample input:
Enter from: 10
Enter to: 20

Output:
11
13
17
19

1. program3.c - C Program to print the reverse of a string using Recursion.

Sample input:
Input any string: Massachusetts

Output:
sttesuhcassaM

1. program4.c - C Program to convert a number from decimal to binary using Recursion.

Sample input:
Enter a decimal number: 100

Output:
100 in Binary is: 1100100

1. program5.c - C Program to print Pascal’s triangle.

Sample input:
Enter the number of rows: 6

Output:

 1

 1 1

 1 2 1

 1 3 3 1

 1 4 6 4 1

 1 5 10 10 5 1