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