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
  a. Students worked with:
  b. Books/Websites consulted:
  c. 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

2. 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

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

   Sample input:
   Input any string: Massachusetts

   Output:
   sttesuhcassaM

4. 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

5. 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
```