COEN 10 - Practice VII
Solutions on Wednesday

Use C syntax!

1. What are the values of x and y after the following code executes?

    ```
    x = 0;
    y = 0;
    if (x < 0)
    x++;
    else
    if (y < 0)
    y++;
    else
    x--;
    ```

2. What are the values in array strs after the following code executes?

    ```
    char    strs[5][10] = {"a", "ab", "abc", "abcde"};
    …

    for (i = 0; i < 5; i++) {
    j = 0;
    while (strs[i][j] != '\0') {
    strs[i][j]++;
    j++;}}
    ```

3. What do functions a and b output?

    ```
    void
    a (void)
    {
       int x = 5;
       int y = 7;
       b (y, x);
       printf ("%d, %d\n", x, y);
       return;
    }


    void
    b (int x, int y)
    {
        x++;
        y--;
        printf ("%d, %d]\n", x, y);
        return;
    }
    ```

4. Write a function to return the sum of three int numbers received as arguments.

5. Write a function to traverse global string str and return the number of occurrences of character ch, which is received as an argument.

6. Write a function to traverse global string array strs (size MxN) and return the number of strings that start and end with a capital letter. Do not use strlen!

7. Write a function to traverse global int array x (size M) and return the average of all the elements.