

Mock exam exercise

Write a function *RemoveDuplicates* that removes all duplicate characters from a string. For example, 'aaabbb' becomes 'ab' and 'abcdb' becomes 'abcd'

Solution

```
function [string2] = removeDuplicates (string)

% input = string with repeated characters, e.g. abcdb = string
% output = string without repeated characters, e.g. abcd = string2
% test the function in the command window using e.g. removeDuplicates('abcdb')

string2 = string(1);
duplicate = 0;
for i = string
    for j = string2
        if i == j
            duplicate = 1;
        end
    end
    if duplicate == 0
        string2 = [string2 i]; % only add character of string to string2 if
it is not a duplicate
    else
        duplicate = 0;
    end
end
end
```

The logo for Cartagena99 features the text 'Cartagena99' in a stylized, teal-colored font. The '99' is significantly larger and more prominent than the rest of the text. The logo is set against a background of light blue and orange geometric shapes, including a large blue triangle and an orange shape that looks like a stylized '9' or a drop.

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