Cody Problem 22. Remove the vowels

Remove all the vowels in the given phrase.

Example:

```
% Input  s1 = 'Jack and Jill went up the hill'
% Output s2 is 'Jck nd Jll wnt p th hll'
```

Scratch Pad

```
s1 = 'Jack and Jill went up the hill'
```

```
s1 =
'Jack and Jill went up the hill'
```

```
refcn(s1)
```

```
ans =
"Jck nd Jll wnt p th hll"
```

Solution

```
function s2 = refcn(s1)
    % Define a list of vowels
    vowels = 'AEIOUaeiou';

    % Convert the input string to a character array
    chars = char(s1);

    % Create a logical array where true represents a non-vowels character
    Notvowels = ~ismember(chars, vowels);

    % Remove vowels
    resultString = chars(Notvowels);

    % Replace apostrophes correctly
    resultString = strrep(resultString, '''', '''');

    % Convert the result back to a string
    s2 = string(resultString);
end
```