**Exp 33:write a prolog program to find number of vowels**

**Input:**

% Check if a character is a vowel

vowel(a).

vowel(e).

vowel(i).

vowel(o).

vowel(u).

% Base case: empty list has 0 vowels

count\_vowels([], 0).

% If head is a vowel, increment count

count\_vowels([H|T], Count) :-

vowel(H),

count\_vowels(T, RestCount),

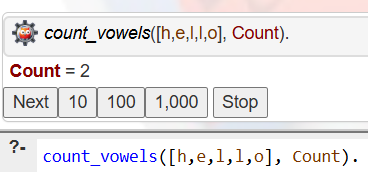
Count is RestCount + 1.

% If head is not a vowel, skip increment

count\_vowels([\_|T], Count) :-

count\_vowels(T, Count).

**Output:**

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