

EXPERIMENT:33 Write a Prolog program to find the number of vowels

PROGRAM:

```
% Define vowels
```

```
vowel(a). vowel(e). vowel(i). vowel(o). vowel(u).
```

```
vowel(A) :- char_type(A, upper), char_lower(A, L), vowel(L).
```

```
% Count vowels in a string
```

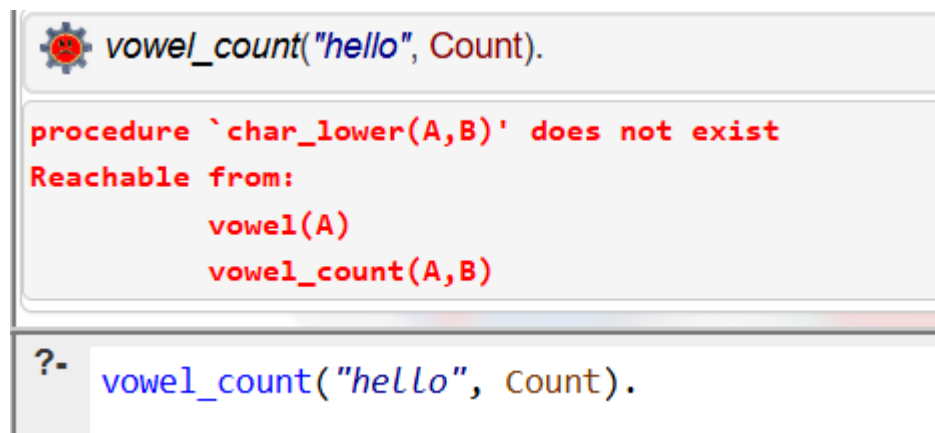
```
vowel_count(String, Count) :-
```

```
    string_chars(String, CharList),
```

```
    include(vowel, CharList, Vowels),
```

```
    length(Vowels, Count).
```

OUTPUT:



The screenshot shows a Prolog IDE window. At the top, a query is entered: `vowel_count("hello", Count).`. Below the query, a red error message is displayed: `procedure 'char_lower(A,B)' does not exist`. Underneath the error message, it says "Reachable from:" followed by two lines: `vowel(A)` and `vowel_count(A,B)`. At the bottom of the window, the prompt `?-` is followed by the query `vowel_count("hello", Count).`

