Problem 31: Print frequency of each vowel in a given string.

Code:

```c
#include <stdio.h>
#include <ctype.h>
#include <string.h>

int main() {
    char str[100];
    int i, a=0, e=0, i1=0, o=0, u=0;

    printf("Enter string: ");
    fgets(str, sizeof(str), stdin);
    str[strcspn(str, "\n")] = '\0';

    for(i = 0; str[i]; i++){
        char c = tolower(str[i]);
        if(c == 'a') a++;
        else if(c == 'e') e++;
        else if(c == 'i') i1++;
        else if(c == 'o') o++;
```

```c
        else if(c == 'u') u++;
    }

    printf("a=%d e=%d i=%d o=%d u=%d\n", a,
e, i1, o, u);

    return 0;
}
```

Output:

Enter string: hello world
a=0 e=1 i=0 o=2 u=0