#include <stdio.h>

int main() {

char c;

int lowercase\_vowel, uppercase\_vowel;

printf("Enter an alphabet: ");

scanf("%c", &c);

// evaluates to 1 if variable c is a lowercase vowel

lowercase\_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');

// evaluates to 1 if variable c is a uppercase vowel

uppercase\_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');

// evaluates to 1 (true) if c is a vowel

if (lowercase\_vowel || uppercase\_vowel)

printf("%c is a vowel.", c);

else

printf("%c is a consonant.", c);

return 0;

}

