program to check whether the alphabet is vowel or consonant

#include <stdio.h>

int main() {

    char ch;

    printf("Enter an alphabet: ");

    scanf("%c", &ch);

    if ((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z')) {

        if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||

            ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') {

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

        } else {

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

        }

    } else {

        printf("Invalid input. Please enter an alphabet.\n");

    }

    return 0;

}

