6.Program to check the character is a vowel or consonant

#include <iostream>

using namespace std;

int main() {

char c;

bool isLowercaseVowel, isUppercaseVowel;

cout << "Enter an alphabet: ";

cin >> c;

isLowercaseVowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u');

isUppercaseVowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');

if (!isalpha(c))

printf("Error! Non-alphabetic character.");

else if (isLowercaseVowel || isUppercaseVowel)

cout << c << " is a vowel.";

else

cout << c << " is a consonant.";

return 0;

}

**OUTPUT:**

