#include <stdio.h>

float fahrenheitToCelsius(float fahrenheit) {

float celsius = (5.0 / 9.0) \* (fahrenheit - 32);

return celsius;

}

int main()

{

float temperatures[] = {68, 150, 212, 0, -22, -200};

int numTemperatures = sizeof(temperatures) / sizeof(temperatures[0]);

for (int i = 0; i < numTemperatures; i++) {

float temperatureFahrenheit = temperatures[i];

float temperatureCelsius = fahrenheitToCelsius(temperatureFahrenheit);

printf("Fahrenheit %.2f = Celsius %.2f \n", temperatureFahrenheit, temperatureCelsius);

}

return 0;

}