#include <stdio.h>

int main() {

// variables

int customerID, unitsConsumed;

char customerName[50];

float chargesPerUnit, totalAmount, surcharge = 0;

// enter inputs

printf("Enter Customer ID: ");

scanf("%d", &customerID);

printf("Enter Customer Name: ");

scanf("%s", customerName);

printf("Enter Units Consumed: ");

scanf("%d", &unitsConsumed);

// Calculate charges per unit based on units consumed

if (unitsConsumed <= 300) {

chargesPerUnit = 175;

} else if (unitsConsumed <= 600) {

chargesPerUnit = 200;

} else if (unitsConsumed <= 800) {

chargesPerUnit = 300;

} else {

chargesPerUnit = 400;

}

// Calculate total bill without surcharge

totalAmount = unitsConsumed \* chargesPerUnit;

// Apply surcharge if total bill exceeds Kshs. 500

if (totalAmount > 500) {

surcharge = 0.2 \* totalAmount;

}

// Calculate final total amount to pay

finaltotalAmount = totalAmount + surcharge;

// Ensure the minimum bill is Kshs. 200

if (totalAmount < 200) {

totalAmount = 200;

}

// Print output

printf("\nCustomer ID: %d\n", customerID);

printf("Customer Name: %s\n", customerName);

printf("Units Consumed: %d\n", unitsConsumed);

printf("Charges per Unit: %.2f Ksh\n", chargesPerUnit);

printf("Total Amount to Pay: %.2f Ksh\n", totalAmount);

return 0;

}